

空氣品質指標(AQI)及分界點(Breakpoints)

空氣品質指標(AQI)							
AQI指標	O ₃ (ppm) 8小時平均值	O ₃ (ppm) 小時平均值 ⁽¹⁾	PM _{2.5} (μg/m ³) 24小時平均值	PM ₁₀ (μg/m ³) 24小時平均值	CO (ppm) 8小時平均值	SO ₂ (ppb) 小時平均值	NO ₂ (ppb) 小時平均值
0-50 良好	0.000 – 0.054	-	0.0 - 15.4	0 - 54	0 - 4.4	0 - 35	0 - 53
51-100 普通	0.055 – 0.070	-	15.5 - 35.4	55-125	4.5 - 9.4	36 - 75	54 – 100
101-150 對敏感族群不良	0.071 – 0.085	0.125 - 0.164	35.5 - 54.4	126 - 254	9.5 - 12.4	76 - 185	101 – 360
151-200 對所有族群不良	0.086 – 0.105	0.165 - 0.204	54.5 - 150.4	255 - 354	12.5 - 15.4	186 - 304 ⁽³⁾	361 – 649
201-300 非常不良	0.106 – 0.200	0.205 - 0.404	150.5 - 250.4	355 - 424	15.5 - 30.4	305 - 604 ⁽³⁾	650 – 1249
301-400 有害	⁽²⁾	0.405 - 0.504	250.5 - 350.4	425 - 504	30.5 - 40.4	605 - 804 ⁽³⁾	1250 – 1649
401-500 有害	⁽²⁾	0.505 - 0.604	350.5 - 500.4	505 - 604	40.5 - 50.4	805 -1004 ⁽³⁾	1650 – 2049

1. 一般以臭氧(O₃)8小時值計算各地區之空氣品質指標(AQI)。但部分地區以臭氧(O₃)小時值計算空氣品質指標(AQI)是更具有預警性，在此情況下，臭氧(O₃)8小時與臭氧(O₃)1小時之空氣品質指標(AQI)則皆計算之，取兩者之最大值作為空氣品質指標(AQI)。
2. 空氣品質指標(AQI) 301以上之指標值，是以臭氧(O₃)小時值計算之，不以臭氧(O₃)8小時值計算之。
3. 空氣品質指標(AQI) 200以上之指標值，是以二氧化硫(SO₂)24小時值計算之，不以二氧化硫(SO₂)小時值計算之。



空氣品質指標(AQI)及分界點(Breakpoints)

Air Quality Index (AQI)							
Index Value	O ₃ (ppm) 8-hour	O ₃ (ppm) 1-hour ⁽¹⁾	PM _{2.5} (µg/m ³) 24-hour	PM ₁₀ (µg/m ³) 24-hour	CO (ppm) 8-hour	SO ₂ (ppb) 1-hour	NO ₂ (ppb) 1-hour
0-50 (Good)	0.000 - 0.054	-	0.0 - 15.4	0 - 54	0 - 4.4	0 - 35	0 - 53
51-100 (Moderate)	0.055 - 0.070	-	15.5 - 35.4	55-125	4.5 - 9.4	36 - 75	54 - 100
101-150 (Unhealthy for Sensitive Groups)	0.071 - 0.085	0.125 - 0.164	35.5 - 54.4	126 - 254	9.5 - 12.4	76 - 185	101 - 360
151-200 (Unhealthy)	0.086 - 0.105	0.165 - 0.204	54.5 - 150.4	255 - 354	12.5 - 15.4	186 - 304 ⁽³⁾	361 - 649
201-300 (Very Unhealthy)	0.106 - 0.200	0.205 - 0.404	150.5 - 250.4	355 - 424	15.5 - 30.4	305 - 604 ⁽³⁾	650 - 1249
301-400 (Hazardous)	⁽²⁾	0.405 - 0.504	250.5 - 350.4	425 - 504	30.5 - 40.4	605 - 804 ⁽³⁾	1250 - 1649
401-500 (Hazardous)	⁽²⁾	0.505 - 0.604	350.5 - 500.4	505 - 604	40.5 - 50.4	805 - 1004 ⁽³⁾	1650 - 2049

1. Areas are generally required to report the AQI based on 8-hour ozone values. However, there are a small number of areas where an AQI based on 1-hour ozone values would be more precautionary. In these cases, in addition to calculating the 8-hour ozone index value, the 1-hour ozone value may be calculated, and the maximum of the two values reported.
2. 8-hour O₃ values do not define higher AQI values (≥ 301). AQI values of 301 or higher are calculated with 1-hour O₃ concentrations.
3. 1-hour SO₂ values do not define higher AQI values (≥ 200). AQI values of 200 or greater are calculated with 24-hour SO₂ concentrations.

空氣品質指標(AQI)顏色定義

Color	R	G	B	C	M	Y	K
Green	0	228	0	40	0	100	0
Yellow	255	255	0	0	0	100	0
Orange	255	126	0	0	52	100	0
Red	255	0	0	0	100	100	0
Purple	143	63	151	51	89	0	0
Maroon	126	0	35	30	100	100	30

Notes: RGB is traditionally used for screen colors, while CMYK is traditionally used for printing. The color models are based on a 0 - 255 scale (e.g. 50% is 126).

