

Converting Colors

XYZ(50.7140, 55.7420, 80.2507)

Have a look what the booklet for
XYZ(50.7140, 55.7420, 80.2507)
contains.

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Color

**XYZ(50.7843, 55.9475,
80.0738)**

Conversions

Conversions Part 1

Format	Color
Hex	A7CAE2
RGB	167, 202, 226
RGB Percent	65%, 79%, 89%
CMY	0.3451, 0.2078, 0.1137
CMYK	0.26, 0.11, 0.00, 0.11
HSL	204°, 50%, 77%
HSV	204°, 26%, 89%
XYZ	50.7843, 55.9475, 80.0738
YIQ	194.2710, -28.5640, 0.0440

Conversions

Conversions Part 2

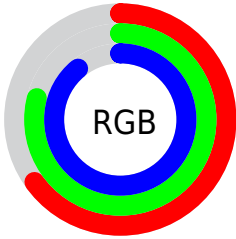
Format	Color
R _Y B	167, 189, 226
Decimal	10996450
CIE Lab	79.58, -6.27, -15.73
CIE LCh	80, 16.931, 248.254
Yxy	55.9475, 0.2719, 0.2995
Android (android.graphics.Color)	4289186530 (0xFFA7CAE2)
YUV	194.2710, 15.6424, -23.9167
Hunter-Lab	74.7981, -9.7037, -11.1133

Details

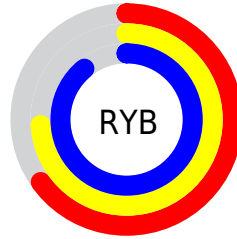
The XYZ color **50.7843, 55.9475, 80.0738** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.9705, 56.2207, 44.4095**, and the grayscale version is **51.3623, 54.0372, 58.8465**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **24.8800, 27.6975, 42.5629** is the 20% darker color. If you saturate the color by 10%, you get **44.3280, 49.5133, 79.1731**, and if you desaturate by 10%, it is **58.2068, 63.0733, 81.0589**.

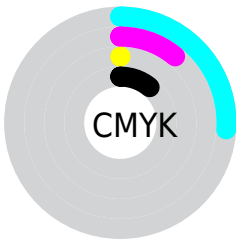
Distribution



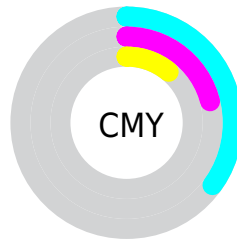
- Red (65%)
- Green (79%)
- Blue (89%)



- Red (65%)
- Yellow (74%)
- Blue (89%)



- Cyan (26%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)



- Cyan (35%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7843, 55.9475, 80.0738 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.7843, 55.9475, 80.0738 by changing the saturation by 10% instead.

■ 50.7843, 55.9475,
80.0738

■ 50.7843, 55.9475,
80.0738

380.1266,
409.4936, 514.8948

■ 36.2573, 40.1608,
59.2526

■ 90.5207, 98.9278,
135.2818

■ 24.8040, 27.6640,
42.3951

■ 116.4609,
126.8902, 170.5057

■ 16.0591, 18.0725,
29.0829

146.9362,
159.6801, 211.3675

■ 9.6571, 11.0021,
18.8974

182.3119,
197.6816, 258.2858

■ 5.2327, 6.0682,
11.4201

222.9535,
241.2794, 311.6792

■ 2.4206, 2.8866,
6.2325

269.2262,

■ 0.8554, 1.0728,

290.8577, 371.9661

2.9159

321.4955,
346.8010, 439.5651

■ 0.0000, 0.0000,
1.0518

■ 0.0000, 0.0000,
0.0000

■ 50.7843, 55.9475,
80.0738

■ 50.7843, 55.9475,
80.0738

■ 44.3280, 49.5133,
79.1731

■ 58.2068, 63.0733,
81.0589

■ 38.7872, 43.7371,
78.3502

■ 66.6329, 70.9090,
82.1273

■ 34.1140, 38.5923,
77.6035

■ 76.1040, 79.4806,
83.2826

■ 30.2536, 34.0471,
76.9296

■ 85.7680, 88.3517,
84.4855

■ 27.1445, 30.0663,
76.3251

■ 88.5247, 93.8651,
85.4044

■ 24.7152, 26.6092,
75.7859

■ 90.7276, 98.2711,
86.1388

■ 22.8771, 23.6265,
75.3070

■ 22.2633, 22.5625,
75.1340

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.1926, 55.9475, 73.2973



50.7843, 55.9475, 80.0738



54.1231, 55.9475, 81.4516

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.7843, 55.9475, 80.0738



59.9318, 55.9475, 58.2615



49.2198, 55.9475, 47.3309

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.7843, 55.9475, 80.0738



56.9705, 56.2207, 44.4095

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.2408, 55.9475, 44.1614



50.7843, 55.9475, 80.0738



58.4925, 55.9475, 50.0163

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.7843, 55.9475, 80.0738



59.5011, 55.9475, 68.1417



55.6425, 55.9475, 45.0892



47.3166, 55.9475, 54.2225

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.7843, 55.9475, 80.0738



56.3406, 55.9475, 78.9978



55.6425, 55.9475, 45.0892



50.1330, 55.9475, 45.8303

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.7860, 55.9497, 80.0751



85.3489, 91.1538, 107.7038



52.4938, 66.3533, 59.1017



17.8990, 19.1696, 23.0067



0.0000, 0.0000, 0.0000



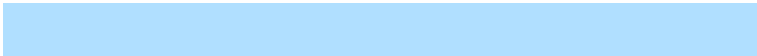
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.7860, 55.9497, 80.0751



62.2900, 69.1379, 104.6697



44.5894, 43.5566, 78.0096



13.6247, 14.5884, 17.4854



12.8205, 13.1106, 42.9032



0.9759, 1.0833, 3.0029

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.8448, 48.0718, 62.2150



70.0542, 57.6105, 77.1316



63.9595, 70.1987, 46.7392



14.0468, 13.8363, 16.0164



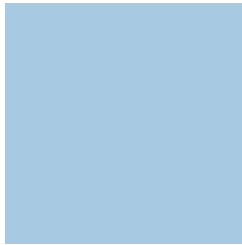
20.4114, 10.2316, 14.0981



1.4589, 0.7268, 1.2092

Previews

White Background



This preview shows how the XYZ color 50.7843, 55.9475, 80.0738 looks on a white background.

Color Contrast Check

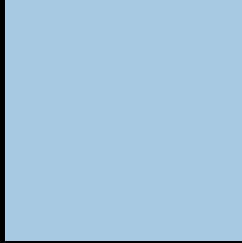
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.7843, 55.9475, 80.0738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

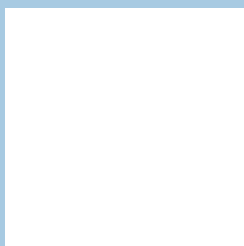
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7843, 55.9475, 80.0738

Background



This preview shows how black text looks on a background with the XYZ color 50.7843, 55.9475, 80.0738.



This preview shows how white text looks on a background with the XYZ color 50.7843, 55.9475,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.7843, 55.9475, 80.0738

Protanopia

54.6922, 55.6416, 76.9646

Deuteranopia

56.9406, 55.7182, 81.1524



Tritanopia

49.8680, 55.9333, 75.1857

Trichromacy



Original Color

50.7843, 55.9475, 80.0738

Protanomaly

53.2805, 55.9062, 77.7948

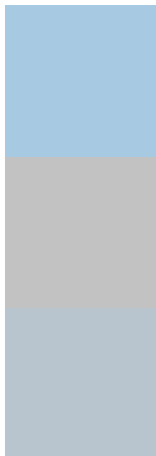
Deuteranomaly

54.5913, 55.8447, 80.5749

Tritanomaly

50.2666, 56.0928, 77.2849

Monochromacy



Original Color

50.7843, 55.9475, 80.0738

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.8740, 54.5791, 66.2460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7843, 55.9475, 80.0738 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(167, 202, 226)` looks like.

```
.text, #text, p{  
    color:rgb(167, 202, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(167, 202, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 202, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.7843, 55.9475, 80.0738 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 202, 226) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(167, 202, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(167, 202, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 202, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 202, 226); box-shadow:4px 4px 4px 4px rgb(167, 202, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7843, 55.9475, 80.0738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 202, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(167,  
202, 226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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