

Converting Colors

XYZ(50.8503, 53.0000, 77.9968)

Have a look what the booklet for
XYZ(50.8503, 53.0000, 77.9968)
contains.

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Color

**XYZ(50.8846, 52.9867,
78.0666)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B2C1E0 |
| RGB | 178, 193, 224 |
| RGB Percent | 70%, 76%, 88% |
| CMY | 0.3020, 0.2431, 0.1216 |
| CMYK | 0.21, 0.14, 0.00, 0.12 |
| HSL | 220°, 43%, 79% |
| HSV | 220°, 21%, 88% |
| XYZ | 50.8846, 52.9867, 78.0666 |
| YIQ | 192.0490, -18.8910, 6.4610 |

Conversions

Conversions Part 2

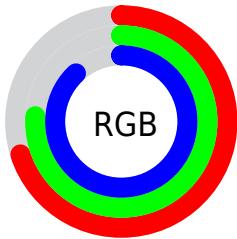
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 178, 189, 224 |
| Decimal | 11715040 |
| CIE Lab | 77.87, 1.39, -17.17 |
| CIE LCh | 78, 17.222, 274.643 |
| Yxy | 52.9867, 0.2797, 0.2912 |
| Android (android.graphics.Color) | 4289905120 (0xFFB2C1E0) |
| YUV | 192.0490, 15.7518, -12.3210 |
| Hunter-Lab | 72.7920, -2.6070, -12.6319 |

Details

The XYZ color **50.8846, 52.9867, 78.0666** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.5774, 64.6627, 51.3564**, and the grayscale version is **50.0517, 52.6583, 57.3448**.

A 20% lighter version of the original color is **85.8574, 92.4638, 107.9299**, and **24.9970, 25.9807, 41.2334** is the 20% darker color. If you saturate the color by 10%, you get **42.9905, 44.2149, 76.7904**, and if you desaturate by 10%, it is **59.9618, 62.8767, 79.4980**.

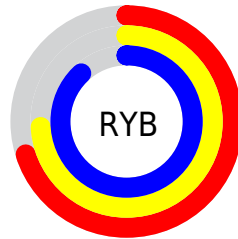
Distribution



Red (70%)

Green (76%)

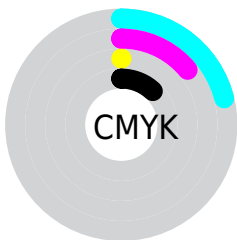
Blue (88%)



Red (70%)

Yellow (74%)

Blue (88%)

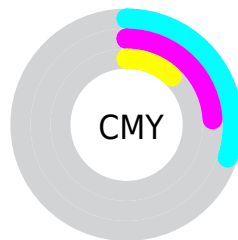


Cyan (21%)

Magenta (14%)

Yellow (0%)

Black (12%)



Cyan (30%)

Magenta (24%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8846, 52.9867, 78.0666 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 50.8846, 52.9867, 78.0666 by changing the saturation by 10% instead.

■ 50.8846, 52.9867,
78.0666

■ 50.8846, 52.9867,
78.0666

380.5103,
398.2341, 507.9269

■ 36.3374, 37.7922,
57.6119

■ 90.6682, 94.5848,
132.4307

■ 24.8662, 25.8214,
41.0841

116.6353,
121.7571, 167.1773

■ 16.1056, 16.6901,
28.0646

147.1398,
153.6909, 207.5248

■ 9.6903, 10.0138,
18.1349

182.5470,
190.7704, 253.8919

■ 5.2548, 5.4081,
10.8764

223.2223,
233.3800, 306.6972

■ 2.4338, 2.4886,
5.8707

269.5311,

■ 0.8620, 0.8709,

281.9043, 366.3590

2.6991

321.8386,
336.7275, 433.2961

■ 0.0000, 0.0000,
0.9430

■ 0.0000, 0.0000,
0.0000

■ 50.8846, 52.9867,
78.0666

■ 50.8846, 52.9867,
78.0666

■ 42.9905, 44.2149,
76.7904

■ 59.9618, 62.8767,
79.4980

■ 36.2238, 36.5134,
75.6605

■ 70.2648, 73.9174,
81.0860

■ 30.5314, 29.8405,
74.6725

■ 81.8403, 86.1480,
82.8367

■ 25.8536, 24.1488,
73.8205

■ 89.9411, 97.1346,
84.5304

■ 22.1248, 19.3867,
73.0978

■ 90.4547, 98.1619,
84.7016

■ 19.2707, 15.4971,
72.4975

■ 17.2041, 12.4152,
72.0115

■ 15.8408, 10.1540,
71.6469

Harmonies

Analogous

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



47.6581, 52.9867, 75.9884



50.8846, 52.9867, 78.0666



54.1071, 52.9867, 74.2112

Triad

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



50.8846, 52.9867, 78.0666



55.8405, 52.9867, 47.8444



44.7716, 52.9867, 50.1599

Complementary

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



50.8846, 52.9867, 78.0666



61.5774, 64.6627, 51.3564

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.



46.7943, 52.9867, 43.8289



50.8846, 52.9867, 78.0666



53.1669, 52.9867, 42.5994

Square

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



50.8846, 52.9867, 78.0666



57.0479, 52.9867, 56.2155



49.8435, 52.9867, 41.2144



44.2205, 52.9867, 59.1972

Rectangle

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



50.8846, 52.9867, 78.0666



55.7912, 52.9867, 69.0211



49.8435, 52.9867, 41.2144



45.2974, 52.9867, 47.6785

Sweetspot

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



50.8862, 52.9889, 78.0678



86.4420, 90.8101, 107.5799



56.4842, 67.3643, 70.1321



18.3095, 19.2304, 22.9968



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.



50.8862, 52.9889, 78.0678



63.1525, 65.4362, 103.9097



49.5449, 47.6213, 77.1025



13.3153, 13.9697, 17.3823



9.3136, 6.0968, 41.7343



0.7252, 0.5818, 2.9193

Inverse Universe

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



56.2878, 51.5397, 57.4359



71.8142, 63.3863, 70.7641



63.1101, 71.1764, 52.5329



13.8906, 13.7739, 15.1941



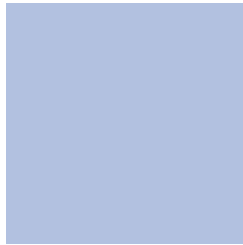
18.6413, 9.5235, 4.7768



1.3323, 0.6762, 0.5427

Previews

White Background



This preview shows how the XYZ color 50.8846, 52.9867, 78.0666 looks on a white background.

Color Contrast Check

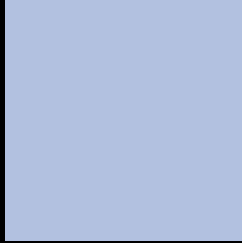
Large Text (above 18pt) WCAG AA × Fail

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 50.8846, 52.9867, 78.0666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

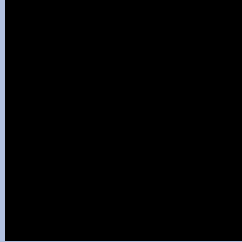
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8846, 52.9867, 78.0666

Background



This preview shows how black text looks on a background with the XYZ color 50.8846, 52.9867, 78.0666.



This preview shows how white text looks on a background with the XYZ color 50.8846, 52.9867,

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

50.8846, 52.9867, 78.0666

Protanopia

52.0653, 52.9746, 76.5882

Deuteranopia

54.0795, 53.0048, 78.6148



Tritanopia

48.9522, 52.8473, 69.2485

Trichromacy



Original Color

50.8846, 52.9867, 78.0666

Protanomaly

51.6974, 53.0943, 77.3355

Deuteranomaly

52.9903, 53.0820, 78.6871

Tritanomaly

49.5910, 52.7715, 72.5380

Monochromacy



Original Color

50.8846, 52.9867, 78.0666

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.2422, 52.6237, 64.6361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8846, 52.9867, 78.0666 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(178, 193, 224)` looks like.

```
.text, #text, p{  
    color:rgb(178, 193, 224)  
}
```

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(178, 193, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 193, 224) }
```

Border

The CSS property to change the border of an element to XYZ 50.8846, 52.9867, 78.0666 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(178, 193, 224) }
```


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

```
.border{ border-color:rgb(178, 193, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 193, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 193, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 193, 224);  
box-shadow:4px 4px 4px 4px rgb(178, 193,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8846, 52.9867, 78.0666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 193, 224) }
```

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

```
.background{ background-color: rgb(178,  
193, 224) }
```

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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