

Converting Colors

XYZ(50.7681, 50.6262, 78.7109)

Have a look what the booklet for
XYZ(50.7681, 50.6262, 78.7109)
contains.

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Color

**XYZ(50.8148, 50.6761,
79.0547)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BAE2
RGB	183, 186, 226
RGB Percent	72%, 73%, 89%
CMY	0.2823, 0.2706, 0.1137
CMYK	0.19, 0.18, 0.00, 0.11
HSL	236°, 43%, 80%
HSV	236°, 19%, 89%
XYZ	50.8148, 50.6761, 79.0547
YIQ	189.6630, -14.6280, 11.8040

Conversions

Conversions Part 2

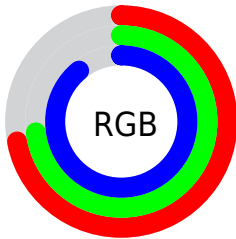
Format	Color
R _Y B	183, 186, 226
Decimal	12040930
CIE Lab	76.48, 7.18, -20.30
CIE LCh	76, 21.536, 289.467
Yxy	50.6761, 0.2815, 0.2807
Android (android.graphics.Color)	4290231010 (0xFFB7BAE2)
YUV	189.6630, 17.9141, -5.8435
Hunter-Lab	71.1871, 2.8393, -16.0117

Details

The XYZ color **50.8148, 50.6761, 79.0547** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.2993, 72.3628, 55.2741**, and the grayscale version is **48.6574, 51.1914, 55.7474**.

A 20% lighter version of the original color is **85.3987, 89.0750, 107.2999**, and **24.7915, 24.3825, 41.9277** is the 20% darker color. If you saturate the color by 10%, you get **41.7572, 39.9099, 77.4548**, and if you desaturate by 10%, it is **61.3902, 63.1945, 80.9144**.

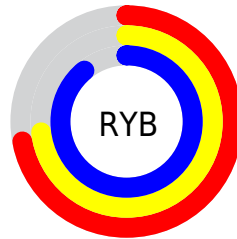
Distribution



Red (72%)

Green (73%)

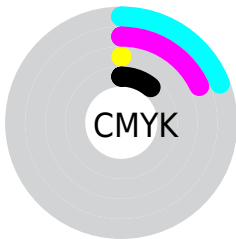
Blue (89%)



Red (72%)

Yellow (73%)

Blue (89%)

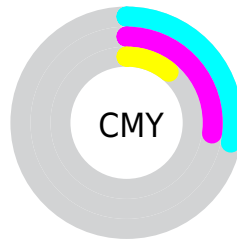


Cyan (19%)

Magenta (18%)

Yellow (0%)

Black (11%)



Cyan (28%)

Magenta (27%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8148, 50.6761, 79.0547 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 50.8148, 50.6761, 79.0547 by changing the saturation by 10% instead.

■ 50.8148, 50.6761,
79.0547

■ 50.8148, 50.6761,
79.0547

380.2433,
389.3041, 511.3639

■ 36.2817, 35.9509,
58.4192

■ 90.5656, 91.1758,
133.8352

■ 24.8229, 24.3963,
41.7288

116.5139,
117.7191, 168.8173

■ 16.0732, 15.6278,
28.5650

146.9981,
148.9706, 209.4187

■ 9.6672, 9.2612,
18.5093

182.3834,
185.3146, 256.0580

■ 5.2394, 4.9119,
11.1430

223.0353,
227.1356, 309.1535

■ 2.4246, 2.1957,
6.0477

269.3190,

■ 0.8574, 0.7176,

274.8179, 369.1240

2.8049

321.5999,
328.7459, 436.3880

■ 0.0000, 0.0000,
0.9959

■ 0.0000, 0.0000,
0.0000

■ 50.8148, 50.6761,
79.0547

■ 50.8148, 50.6761,
79.0547

■ 41.7572, 39.9099,
77.4548

■ 61.3902, 63.1945,
80.9144

■ 34.1433, 30.8117,
76.1000

■ 73.5436, 77.5318,
83.0413

■ 27.8996, 23.2999,
74.9792

■ 87.3379, 93.7590,
85.4464

■ 22.9446, 17.2835,
74.0790

■ 90.7276, 98.2710,
86.1386

■ 19.1880, 12.6621,
73.3850

■ 16.5276, 9.3231,
72.8807

■ 14.8442, 7.1363,
72.5474

■ 13.9687, 5.9322,
72.3611

■ 13.9096, 5.8551,
72.3493

Harmonies

Analogous

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



46.7531, 50.6761, 80.2057



50.8148, 50.6761, 79.0547



54.3462, 50.6761, 71.0198

Triad

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



50.8148, 50.6761, 79.0547



53.4196, 50.6761, 39.8702



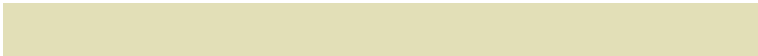
40.8917, 50.6761, 51.1908

Complementary

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



50.8148, 50.6761, 79.0547



66.2993, 72.3628, 55.2741

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.



42.4733, 50.6761, 41.8861



50.8148, 50.6761, 79.0547



49.6073, 50.6761, 35.9869

Square

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



50.8148, 50.6761, 79.0547



55.9075, 50.6761, 48.0573



45.6111, 50.6761, 36.6690



41.1745, 50.6761, 62.9687

Rectangle

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



50.8148, 50.6761, 79.0547



55.8527, 50.6761, 63.3967



45.6111, 50.6761, 36.6690



41.2193, 50.6761, 47.7016

Sweetspot

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



50.8164, 50.6782, 79.0558



85.2701, 88.4662, 107.1892



59.9665, 69.7572, 79.7052



18.0334, 18.6782, 22.9047



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.



50.8164, 50.6782, 79.0558



61.6635, 60.5175, 103.0388



54.7270, 51.7652, 79.0595



13.0285, 13.3961, 17.2867



7.9665, 3.4025, 41.2852



0.5796, 0.2906, 2.8708

Inverse Universe

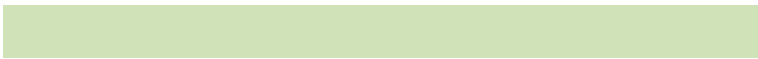
The Inverse Universe completely reimagines the original color for something new.



57.1617, 53.5822, 53.7863



71.5363, 65.0889, 63.7094



61.7804, 71.2345, 55.2945



13.7459, 13.7160, 14.4319



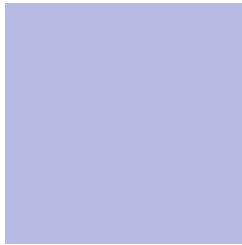
17.9613, 9.2515, 1.1960



1.2588, 0.6468, 0.1556

Previews

White Background



This preview shows how the XYZ color 50.8148, 50.6761, 79.0547 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 50.8148, 50.6761, 79.0547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

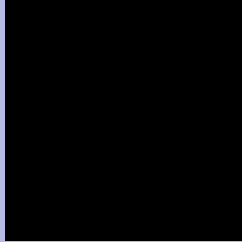
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8148, 50.6761, 79.0547

Background



This preview shows how black text looks on a background with the XYZ color 50.8148, 50.6761, 79.0547.



This preview shows how white text looks on a background with the XYZ color 50.8148, 50.6761,

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

50.8148, 50.6761, 79.0547

Protanopia

50.4578, 50.7900, 79.8171

Deuteranopia

51.6070, 50.4633, 78.9719



Tritanopia

48.0233, 50.8184, 65.0354

Trichromacy



Original Color

50.8148, 50.6761, 79.0547

Protanomaly

50.6915, 50.9105, 79.8280

Deuteranomaly

51.3261, 50.6280, 79.0185

Tritanomaly

49.0302, 50.9026, 70.1918

Monochromacy



Original Color

50.8148, 50.6761, 79.0547

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.4706, 51.2718, 63.7890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8148, 50.6761, 79.0547 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(183, 186, 226)` looks like.

```
.text, #text, p{  
    color:rgb(183, 186, 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(183, 186, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 186, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.8148, 50.6761, 79.0547 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(183, 186, 226) }
```


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

```
.border{ border-color:rgb(183, 186, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 186, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 186, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 186, 226);  
box-shadow:4px 4px 4px 4px rgb(183, 186,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8148, 50.6761, 79.0547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 186, 226) }
```

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

```
.background{ background-color: rgb(183,  
186, 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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