

Converting Colors

XYZ(50.1598, 50.2853, 79.2112)

Have a look what the booklet for
XYZ(50.1598, 50.2853, 79.2112)
contains.

XYZ(50.1088, 50.3121, 79.0217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.1088, 50.3121,
79.0217)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BAE2
RGB	180, 186, 226
RGB Percent	71%, 73%, 89%
CMY	0.2941, 0.2706, 0.1137
CMYK	0.20, 0.18, 0.00, 0.11
HSL	232°, 44%, 80%
HSV	232°, 20%, 89%
XYZ	50.1088, 50.3121, 79.0217
YIQ	188.7660, -16.4160, 11.1680

Conversions

Conversions Part 2

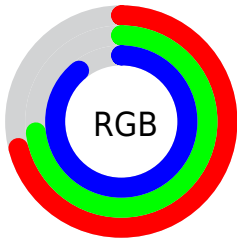
Format	Color
R_{YB}	180, 185, 226
Decimal	11844322
CIE Lab	76.26, 6.25, -20.66
CIE LCh	76, 21.586, 286.818
Yxy	50.3121, 0.2792, 0.2804
Android (android.graphics.Color)	4290034402 (0xFFB4BAE2)
YUV	188.7660, 18.3564, -7.6878
Hunter-Lab	70.9310, 1.9710, -16.4011

Details

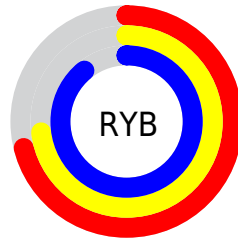
The XYZ color **50.1088, 50.3121, 79.0217** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.1960, 70.6506, 53.3822**, and the grayscale version is **48.1426, 50.6498, 55.1576**.

A 20% lighter version of the original color is **84.3942, 88.5571, 107.2529**, and **24.4906, 24.2274, 41.9136** is the 20% darker color. If you saturate the color by 10%, you get **41.4113, 40.1005, 77.5099**, and if you desaturate by 10%, it is **60.2366, 62.1088, 80.7657**.

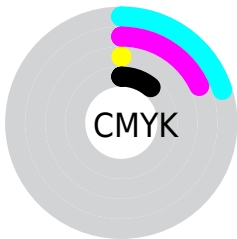
Distribution



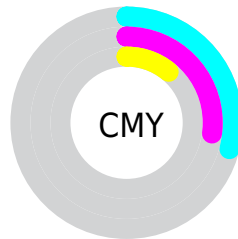
- Red (71%)
- Green (73%)
- Blue (89%)



- Red (71%)
- Yellow (73%)
- Blue (89%)



- Cyan (20%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1088, 50.3121, 79.0217 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 50.1088, 50.3121, 79.0217 by changing the saturation by 10% instead.

■ 50.1088, 50.3121,
79.0217

■ 50.1088, 50.3121,
79.0217

377.5362,
387.8852, 511.2493

■ 35.7180, 35.6614,
58.3922

■ 89.5269, 90.6371,
133.7884

■ 24.3856, 24.1728,
41.7073

115.2849,
117.0803, 168.7626

■ 15.7462, 15.4619,
28.5483

145.5628,
148.2231, 209.3556

■ 9.4344, 9.1442,
18.4967

180.7257,
184.4499, 255.9857

■ 5.0850, 4.8353,
11.1341

221.1392,
226.1451, 309.0716

■ 2.3325, 2.1510,
6.0418

267.1686,

■ 0.8112, 0.6931,

273.6931, 369.0318

2.8013

319.1791,
327.4784, 436.2849

■ 0.0000, 0.0000,
0.9941

■ 0.0000, 0.0000,
0.0000

■ 50.1088, 50.3121,
79.0217

■ 50.1088, 50.3121,
79.0217

■ 41.4113, 40.1005,
77.5099

■ 60.2366, 62.1088,
80.7657

■ 34.0748, 31.4001,
76.2172

■ 71.8505, 75.5478,
82.7476

■ 28.0312, 24.1406,
75.1345

■ 85.0091, 90.6913,
84.9770

■ 23.2048, 18.2434,
74.2506

■ 90.7276, 98.2711,
86.1387

■ 19.5114, 13.6223,
73.5533

■ 16.8565, 10.1812,
73.0291

■ 15.1293, 7.8097,
72.6624

■ 14.1790, 6.3938,
72.4391

Harmonies

Analogous

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



46.0663, 50.3121, 79.4903



50.1088, 50.3121, 79.0217



53.7260, 50.3121, 71.5034

Triad

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



50.1088, 50.3121, 79.0217



53.3492, 50.3121, 40.0755



40.6320, 50.3121, 49.8515

Complementary

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



50.1088, 50.3121, 79.0217



65.1960, 70.6506, 53.3822

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.



42.3637, 50.3121, 40.8936



50.1088, 50.3121, 79.0217



49.6179, 50.3121, 35.8101

Square

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



50.1088, 50.3121, 79.0217



55.6680, 50.3121, 48.5787



45.6023, 50.3121, 36.0868



40.7468, 50.3121, 61.4907

Rectangle

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



50.1088, 50.3121, 79.0217



55.3415, 50.3121, 64.0374



45.6023, 50.3121, 36.0868



41.0131, 50.3121, 46.4631

Sweetspot

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



50.1104, 50.3141, 79.0228



85.5452, 89.0163, 107.2809



58.9205, 69.2573, 77.8811



18.0982, 18.8077, 22.9263



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.



50.1104, 50.3141, 79.0228



61.3169, 60.8029, 103.1121



53.0410, 49.9872, 78.8053



13.0955, 13.5301, 17.3090



8.1370, 3.7436, 41.3421



0.6114, 0.3544, 2.8814

Inverse Universe

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



56.5495, 52.3579, 53.5822



71.1225, 64.0087, 64.3499



61.7679, 71.2638, 53.6812



13.7797, 13.7295, 14.6099



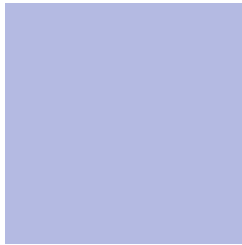
18.0474, 9.2860, 1.6495



1.2749, 0.6532, 0.2404

Previews

White Background



This preview shows how the XYZ color 50.1088, 50.3121, 79.0217 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 50.1088, 50.3121, 79.0217 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 50.1088, 50.3121, 79.0217

Background



This preview shows how black text looks on a background with the XYZ color 50.1088, 50.3121, 79.0217.



This preview shows how white text looks on a background with the XYZ color 50.1088, 50.3121,

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

50.1088, 50.3121, 79.0217

Protanopia

49.8768, 50.1925, 79.0108

Deuteranopia

51.3615, 50.3368, 78.9604



Tritanopia

47.3374, 50.4648, 65.0033

Trichromacy



Original Color

50.1088, 50.3121, 79.0217

Protanomaly

49.8768, 50.1925, 79.0108

Deuteranomaly

50.8436, 50.3793, 78.9959

Tritanomaly

48.3393, 50.5464, 70.1595

Monochromacy



Original Color

50.1088, 50.3121, 79.0217

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.8936, 50.6698, 63.0804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1088, 50.3121, 79.0217 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(180, 186, 226)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 186, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.1088, 50.3121, 79.0217 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(180, 186, 226) }
```


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

```
.border{ border-color:rgb(180, 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(180, 186, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 186, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 186, 226);  
box-shadow:4px 4px 4px 4px rgb(180, 186,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1088, 50.3121, 79.0217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 186, 226) }
```

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

```
.background{ background-color: rgb(180,  
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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