

Converting Colors

XYZ(49.3893, 51.8816, 66.3506)

Have a look what the booklet for
XYZ(49.3893, 51.8816, 66.3506)
contains.

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Color

**XYZ(49.4217, 51.8339,
66.4316)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BFCF
RGB	183, 191, 207
RGB Percent	72%, 75%, 81%
CMY	0.2823, 0.2510, 0.1882
CMYK	0.12, 0.08, 0.00, 0.19
HSL	220°, 20%, 76%
HSV	220°, 12%, 81%
XYZ	49.4217, 51.8339, 66.4316
YIQ	190.4320, -9.9040, 3.2800

Conversions

Conversions Part 2

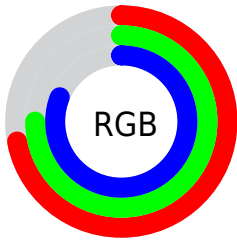
Format	Color
RYB	183, 189, 207
Decimal	12042191
CIELab	77.18, 0.42, -8.97
CIELCh	77, 8.982, 272.687
Yxy	51.8339, 0.2947, 0.3091
Android (android.graphics.Color)	4290232271 (0xFFB7BFCF)
YUV	190.4320, 8.1680, -6.5179
Hunter-Lab	71.9958, -3.4607, -4.3108

Details

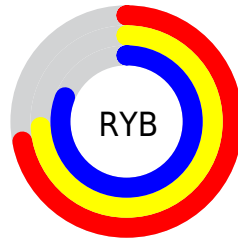
The XYZ color **49.4217, 51.8339, 66.4316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.7030, 57.5307, 53.0220**, and the grayscale version is **49.1523, 51.7121, 56.3144**.

A 20% lighter version of the original color is **86.9074, 92.0923, 107.8028**, and **24.0442, 25.2227, 33.7382** is the 20% darker color. If you saturate the color by 10%, you get **41.9873, 43.7441, 65.2628**, and if you desaturate by 10%, it is **57.8668, 60.8683, 67.7311**.

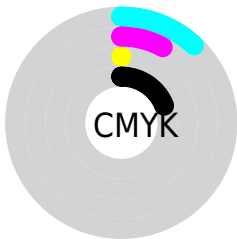
Distribution



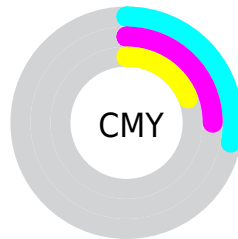
- Red (72%)
- Green (75%)
- Blue (81%)



- Red (72%)
- Yellow (74%)
- Blue (81%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (28%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4217, 51.8339, 66.4316 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 49.4217, 51.8339, 66.4316 by changing the saturation by 10% instead.

■ 49.4217, 51.8339,
66.4316

■ 49.4217, 51.8339,
66.4316

374.8896,
393.7950, 466.3651

■ 35.1700, 36.8727,
48.1642

■ 88.5144, 92.8862,
115.7385

■ 23.9610, 25.1089,
33.5960

114.0862,
119.7462, 147.6150

■ 15.4293, 16.1582,
22.3086

144.1620,
151.3411, 184.8649

■ 9.2095, 9.6362,
13.8833

179.1072,
188.0555, 227.9069

■ 4.9363, 5.1584,
7.9017

219.2873,
230.2736, 277.1593

■ 2.2443, 2.3405,
3.9453

265.0674,

■ 0.7659, 0.7950,

278.3800, 333.0408

1.5954

316.8131,
332.7590, 395.9699

■ 0.0000, 0.0000,
0.2875

■ 0.0000, 0.0000,
0.0000

■ 49.4217, 51.8339,
66.4316

■ 49.4217, 51.8339,
66.4316

■ 41.9873, 43.7441,
65.2628

■ 57.8668, 60.8683,
67.7311

■ 35.5197, 36.5606,
64.2171

■ 67.3550, 70.8710,
69.1618

■ 29.9785, 30.2519,
63.2914

■ 77.9230, 81.8729,
70.7284

■ 25.3185, 24.7819,
62.4812

■ 85.5176, 91.7951,
72.2432

■ 21.4905, 20.1120,
61.7816

■ 88.2626, 97.2851,
73.1582

■ 18.4402, 16.2002,
61.1873

■ 16.1060, 12.9996,
60.6926

■ 14.4156, 10.4571,
60.2909

■ 13.3923, 8.7645,
60.0181

Harmonies

Analogous

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



47.7655, 51.8339, 65.2736



49.4217, 51.8339, 66.4316



51.0732, 51.8339, 64.7858

Triad

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



49.4217, 51.8339, 66.4316



52.1010, 51.8339, 51.4790



46.3878, 51.8339, 52.2054

Complementary

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



49.4217, 51.8339, 66.4316



54.7030, 57.5307, 53.0220

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.



47.5030, 51.8339, 48.8406



49.4217, 51.8339, 66.4316



50.7988, 51.8339, 48.4386

Square

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



49.4217, 51.8339, 66.4316



52.6424, 51.8339, 55.9956



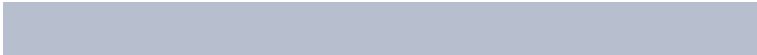
49.1118, 51.8339, 47.5011



46.0382, 51.8339, 56.8833

Rectangle

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



49.4217, 51.8339, 66.4316



51.9424, 51.8339, 62.3728



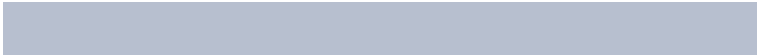
49.1118, 51.8339, 47.5011



46.6843, 51.8339, 50.8927

Sweetspot

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



49.4232, 51.8361, 66.4328



90.6862, 95.3675, 108.2358



52.1045, 58.7988, 62.3936



19.1665, 20.1528, 23.1296



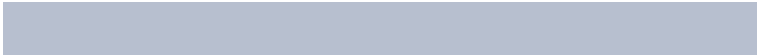
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.4232, 51.8361, 66.4328



75.9869, 79.5929, 105.9658



48.5926, 48.8873, 65.9074



11.4812, 12.0526, 14.9649



8.5159, 5.6784, 37.8397



0.5485, 0.4623, 2.1399

Inverse Universe

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



52.0708, 50.8950, 56.3721



81.1025, 77.8608, 86.5068



55.5986, 60.7981, 53.6055



11.9690, 11.8723, 13.1126



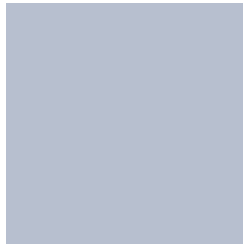
16.9292, 8.6445, 4.5331



0.9831, 0.4980, 0.4458

Previews

White Background



This preview shows how the XYZ color 49.4217, 51.8339, 66.4316 looks on a white background.

Color Contrast Check

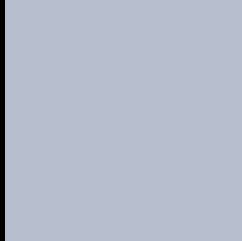
Large Text (above 18pt) WCAG AA × Fail

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 49.4217, 51.8339, 66.4316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

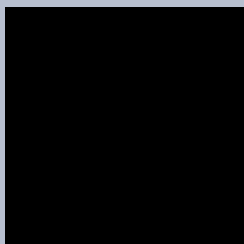
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

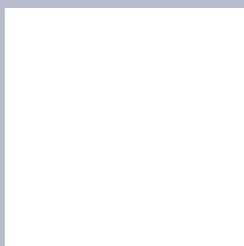
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4217, 51.8339, 66.4316

Background



This preview shows how black text looks on a background with the XYZ color 49.4217, 51.8339, 66.4316.

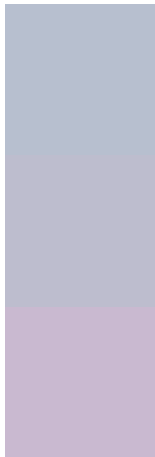


This preview shows how white text looks on a background with the XYZ color 49.4217, 51.8339,

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

49.4217, 51.8339, 66.4316

Protanopia

50.3244, 51.6702, 65.7135

Deuteranopia

52.8215, 51.6695, 66.8637



Tritanopia

49.2998, 51.7851, 65.7897

Trichromacy



Original Color

49.4217, 51.8339, 66.4316

Protanomaly

50.0476, 51.8479, 65.7624

Deuteranomaly

51.4036, 51.5640, 66.9181

Tritanomaly

49.2998, 51.7851, 65.7897

Monochromacy



Original Color

49.4217, 51.8339, 66.4316

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.8708, 51.3772, 59.5656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4217, 51.8339, 66.4316 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, 191, 207)` looks like.

```
.text, #text, p{  
    color:rgb(183, 191, 207)  
}
```

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, 191, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 191, 207) }
```

Border

The CSS property to change the border of an element to XYZ 49.4217, 51.8339, 66.4316 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, 191, 207) }
```


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

```
.border{ border-color:rgb(183, 191, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 191, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 191, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 191, 207);  
box-shadow:4px 4px 4px 4px rgb(183, 191,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4217, 51.8339, 66.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 191, 207) }
```

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

```
.background{ background-color: rgb(183,  
191, 207) }
```

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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