

Converting Colors

XYZ(49.8677, 51.9510, 61.0114)

Have a look what the booklet for
XYZ(49.8677, 51.9510, 61.0114)
contains.

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Color

**XYZ(49.8417, 51.8513,
60.8074)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBEC6
RGB	190, 190, 198
RGB Percent	75%, 75%, 78%
CMY	0.2549, 0.2549, 0.2235
CMYK	0.04, 0.04, 0.00, 0.22
HSL	240°, 7%, 76%
HSV	240°, 4%, 78%
XYZ	49.8417, 51.8513, 60.8074
YIQ	190.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

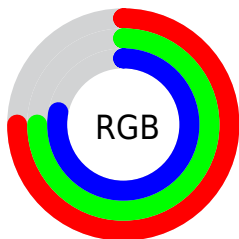
Format	Color
R_{YB}	190, 190, 198
Decimal	12500678
CIE _{Lab}	77.19, 1.51, -4.03
CIE _{LCh}	77, 4.300, 290.587
Yxy	51.8513, 0.3067, 0.3191
Android (android.graphics.Color)	4290690758 (0xFFBEBEC6)
YUV	190.9120, 3.4944, -0.7998
Hunter-Lab	72.0078, -2.4613, 0.3377

Details

The XYZ color **49.8417, 51.8513, 60.8074** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.7771, 56.1110, 56.7649**, and the grayscale version is **49.4530, 52.0284, 56.6589**.

A 20% lighter version of the original color is **89.0118, 92.7244, 107.8139**, and **24.2962, 25.2233, 29.9736** is the 20% darker color. If you saturate the color by 10%, you get **41.2289, 41.4749, 59.2593**, and if you desaturate by 10%, it is **59.7115, 63.7427, 62.5833**.

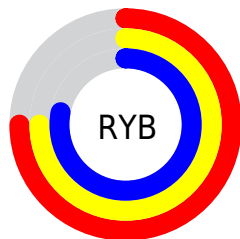
Distribution



Red (75%)

Green (75%)

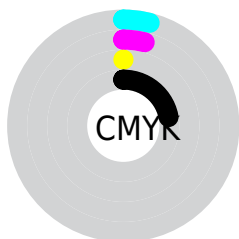
Blue (78%)



Red (75%)

Yellow (75%)

Blue (78%)

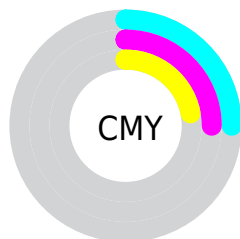


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (22%)



Cyan (25%)

Magenta (25%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8417, 51.8513, 60.8074 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 49.8417, 51.8513, 60.8074 by changing the saturation by 10% instead.

■ 49.8417, 51.8513,
60.8074

■ 49.8417, 51.8513,
60.8074

376.5088,
393.8623, 445.4545

■ 35.5049, 36.8866,
43.6402

■ 89.1335, 92.9119,
107.5548

■ 24.2204, 25.1197,
30.0526

114.8193,
119.7766, 137.9721

■ 15.6228, 16.1662,
19.6262

145.0187,
151.3766, 173.6432

■ 9.3468, 9.6419,
11.9422

180.0972,
188.0965, 214.9867

■ 5.0270, 5.1622,
6.5823

220.4201,
230.3207, 262.4210

■ 2.2980, 2.3427,
3.1278

266.3528,

■ 0.7937, 0.7962,

278.4334, 316.3647

1.1603

318.2605,
332.8191, 377.2363

■ 0.0000, 0.0000,
0.0000

■ 49.8417, 51.8513,
60.8074

■ 49.8417, 51.8513,
60.8074

■ 41.2289, 41.4749,
59.2593

■ 59.7115, 63.7427,
62.5833

■ 33.8183, 32.5464,
57.9265

■ 70.8812, 77.1996,
64.5920

■ 27.5580, 25.0036,
56.8005

■ 83.3972, 92.2783,
66.8428

■ 22.3902, 18.7769,
55.8710

■ 87.1932, 96.8573,
67.5266

■ 18.2524, 13.7910,
55.1268

■ 15.0757, 9.9630,
54.5553

■ 12.7827, 7.1995,
54.1427

■ 11.2841, 5.3931,
53.8731

■ 10.4720, 4.4139,
53.7269

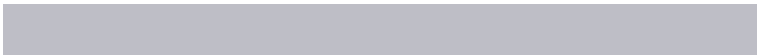
Harmonies

Analogous

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



49.0247, 51.8513, 61.0477



49.8417, 51.8513, 60.8074



50.5159, 51.8513, 59.3841

Triad

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



49.8417, 51.8513, 60.8074



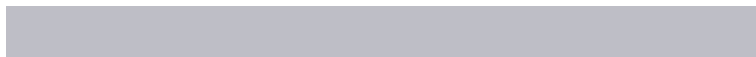
50.2947, 51.8513, 53.0274



47.7382, 51.8513, 55.7192

Complementary

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



49.8417, 51.8513, 60.8074



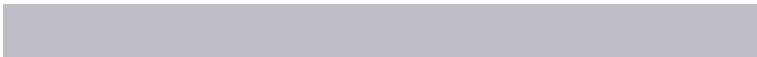
52.7771, 56.1110, 56.7649

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.



48.0705, 51.8513, 53.6282



49.8417, 51.8513, 60.8074



49.5424, 51.8513, 52.1029

Square

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



49.8417, 51.8513, 60.8074



50.7795, 51.8513, 54.8784



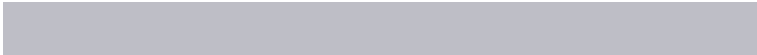
48.7287, 51.8513, 52.3197



47.8164, 51.8513, 58.0661

Rectangle

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



49.8417, 51.8513, 60.8074



50.7908, 51.8513, 57.9771



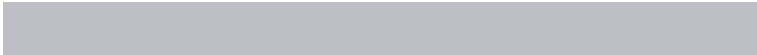
48.7287, 51.8513, 52.3197



47.8055, 51.8513, 54.9642

Sweetspot

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



49.8432, 51.8535, 60.8085



93.3103, 97.9040, 108.5871



51.6077, 55.4072, 61.3209



19.9906, 20.9776, 23.2454



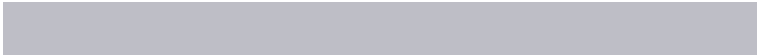
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.8432, 51.8535, 60.8085



86.5819, 89.7977, 107.3771



50.8212, 52.3567, 60.8541



10.7941, 11.1761, 13.5058



6.6295, 2.6529, 34.9070



0.3140, 0.1259, 1.6529

Inverse Universe

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



50.9976, 52.5514, 56.1734



89.1320, 91.3393, 97.1379



51.7715, 55.5937, 56.7180



11.1491, 11.3908, 12.0800



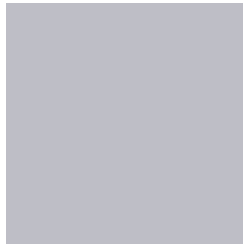
15.1456, 7.8078, 0.7107



0.7172, 0.3697, 0.0340

Previews

White Background



This preview shows how the XYZ color 49.8417, 51.8513, 60.8074 looks on a white background.

Color Contrast Check

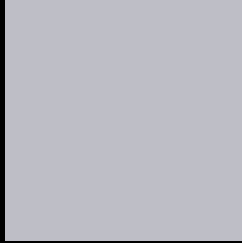
Large Text (above 18pt) WCAG AA × Fail

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 49.8417, 51.8513, 60.8074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

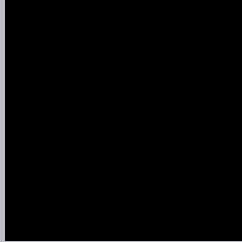
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

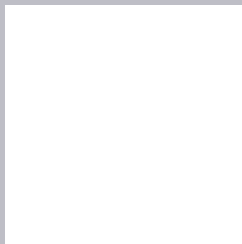
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8417, 51.8513, 60.8074

Background



This preview shows how black text looks on a background with the XYZ color 49.8417, 51.8513, 60.8074.

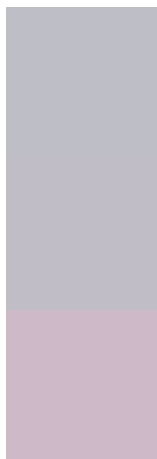


This preview shows how white text looks on a background with the XYZ color 49.8417, 51.8513,

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

49.8417, 51.8513, 60.8074

Protanopia

50.1289, 51.6789, 60.7590

Deuteranopia

52.8346, 51.8006, 61.2467



Tritanopia

50.5825, 51.8312, 64.4652

Trichromacy



Original Color

49.8417, 51.8513, 60.8074

Protanomaly

49.8765, 51.5488, 60.7472

Deuteranomaly

51.8985, 51.9435, 61.3236

Tritanomaly

50.3441, 51.7358, 63.2097

Monochromacy



Original Color

49.8417, 51.8513, 60.8074

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.8543, 52.2330, 58.4933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8417, 51.8513, 60.8074 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(190, 190, 198)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 198)  
}
```

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(190, 190, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 198) }
```

Border

The CSS property to change the border of an element to XYZ 49.8417, 51.8513, 60.8074 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(190, 190, 198) }
```


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

```
.border{ border-color:rgb(190, 190, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 190, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 190, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 190, 198);  
box-shadow:4px 4px 4px 4px rgb(190, 190,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8417, 51.8513, 60.8074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 190, 198) }
```

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

```
.background{ background-color: rgb(190,  
190, 198) }
```

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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