

Converting Colors

XYZ(49.6757, 51.7379, 61.3410)

Have a look what the booklet for
XYZ(49.6757, 51.7379, 61.3410)
contains.

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Color

**XYZ(49.7085, 51.7692,
61.4054)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBEC7
RGB	189, 190, 199
RGB Percent	74%, 75%, 78%
CMY	0.2588, 0.2549, 0.2196
CMYK	0.05, 0.05, 0.00, 0.22
HSL	234°, 8%, 76%
HSV	234°, 5%, 78%
XYZ	49.7085, 51.7692, 61.4054
YIQ	190.7270, -3.4850, 2.5870

Conversions

Conversions Part 2

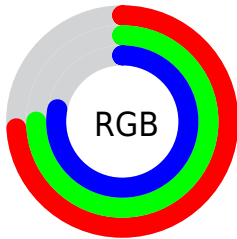
Format	Color
RYB	189, 190, 199
Decimal	12435143
CIELab	77.14, 1.36, -4.65
CIELCh	77, 4.844, 286.361
Yxy	51.7692, 0.3052, 0.3178
Android (android.graphics.Color)	4290625223 (0xFFBDBEC7)
YUV	190.7270, 4.0786, -1.5146
Hunter-Lab	71.9508, -2.5940, -0.2346

Details

The XYZ color **49.7085, 51.7692, 61.4054** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.9327, 56.2039, 56.2035**, and the grayscale version is **49.3430, 51.9126, 56.5329**.

A 20% lighter version of the original color is **88.6620, 92.5440, 107.7975**, and **24.2098, 25.1699, 30.3703** is the 20% darker color. If you saturate the color by 10%, you get **41.4645, 42.1130, 59.9769**, and if you desaturate by 10%, it is **59.1092, 62.7318, 63.0267**.

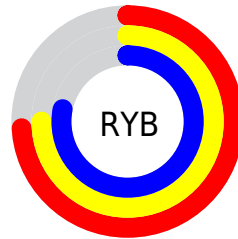
Distribution



Red (74%)

Green (75%)

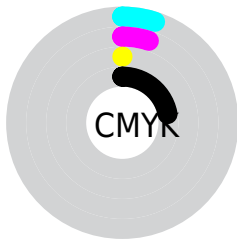
Blue (78%)



Red (74%)

Yellow (75%)

Blue (78%)

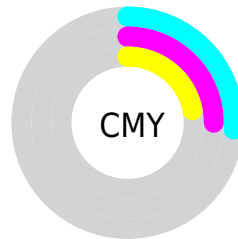


Cyan (5%)

Magenta (5%)

Yellow (0%)

Black (22%)



Cyan (26%)

Magenta (25%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7085, 51.7692, 61.4054 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 49.7085, 51.7692, 61.4054 by changing the saturation by 10% instead.

■ 49.7085, 51.7692,
61.4054

■ 49.7085, 51.7692,
61.4054

375.9958,
393.5449, 447.7065

■ 35.3987, 36.8211,
44.1197

■ 88.9372, 92.7908,
108.4289

■ 24.1381, 25.0690,
30.4268

114.5869,
119.6331, 139.0039

■ 15.5614, 16.1285,
19.9079

144.7472,
151.2089, 174.8457

■ 9.3032, 9.6151,
12.1447

179.7834,
187.9027, 216.3729

■ 4.9982, 5.1445,
6.7186

220.0611,
230.0988, 264.0041

■ 2.2809, 2.3323,
3.2110

265.9455,

■ 0.7849, 0.7907,

278.1816, 318.1577

1.2033

317.8019,
332.5355, 379.2523

■ 0.0000, 0.0000,
0.0000

■ 49.7085, 51.7692,
61.4054

■ 49.7085, 51.7692,
61.4054

■ 41.4645, 42.1130,
59.9769

■ 59.1092, 62.7318,
63.0267

■ 34.3281, 33.7080,
58.7307

■ 69.7044, 75.0401,
64.8440

■ 28.2533, 26.5049,
57.6605

■ 81.5354, 88.7399,
66.8648

■ 23.1892, 20.4485,
56.7584

■ 87.3090, 96.9036,
68.1362

■ 19.0806, 15.4795,
56.0158

■ 15.8671, 11.5331,
55.4235

■ 13.4813, 8.5374,
54.9710

■ 11.8459, 6.4113,
54.6468

■ 10.8690, 5.0596,
54.4374

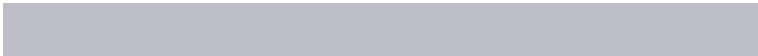
Harmonies

Analogous

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



48.7863, 51.7692, 61.4718



49.7085, 51.7692, 61.4054



50.5054, 51.7692, 59.9620

Triad

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



49.7085, 51.7692, 61.4054



50.4445, 51.7692, 52.7562



47.4944, 51.7692, 55.1735

Complementary

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



49.7085, 51.7692, 61.4054



52.9327, 56.2039, 56.2035

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.



47.9273, 51.7692, 52.9203



49.7085, 51.7692, 61.4054



49.6263, 51.7692, 51.5545

Square

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



49.7085, 51.7692, 61.4054



50.9340, 51.7692, 54.9431



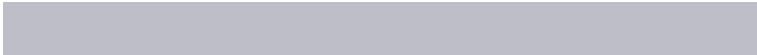
48.7051, 51.7692, 51.6136



47.5158, 51.7692, 57.8170

Rectangle

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



49.7085, 51.7692, 61.4054



50.8549, 51.7692, 58.4381



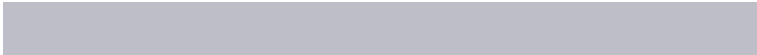
48.7051, 51.7692, 51.6136



47.5914, 51.7692, 54.3471

Sweetspot

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



49.7100, 51.7714, 61.4065



91.7521, 96.1528, 108.3312



51.5843, 55.7361, 61.3655



19.6733, 20.6210, 23.1933



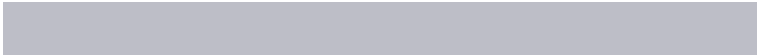
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.7100, 51.7714, 61.4065



85.4082, 88.7423, 107.2352



50.4571, 51.8352, 61.3795



10.6671, 11.0716, 13.4923



6.8196, 3.0331, 34.9704



0.3527, 0.2033, 1.6658

Inverse Universe

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



51.0462, 52.2560, 56.1137



88.2241, 89.7686, 96.0800



52.1583, 56.1462, 56.2332



11.0486, 11.2109, 11.9809



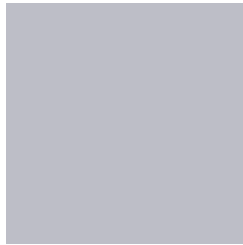
15.2415, 7.8462, 1.2159



0.7367, 0.3775, 0.1369

Previews

White Background



This preview shows how the XYZ color 49.7085, 51.7692, 61.4054 looks on a white background.

Color Contrast Check

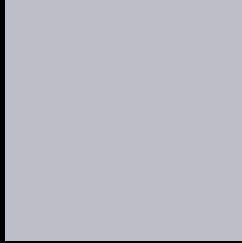
Large Text (above 18pt) WCAG AA × Fail

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 49.7085, 51.7692, 61.4054 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

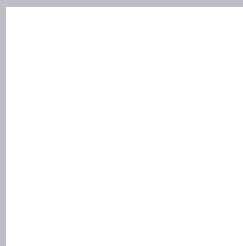
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7085, 51.7692, 61.4054

Background



This preview shows how black text looks on a background with the XYZ color 49.7085, 51.7692, 61.4054.



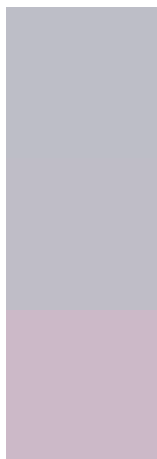
This preview shows how white text looks on a background with the XYZ color 49.7085, 51.7692,

61.4054.

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

49.7085, 51.7692, 61.4054

Protanopia

49.9923, 51.5951, 61.3568

Deuteranopia

52.6761, 51.7054, 61.8474



Tritanopia

50.3319, 51.7020, 64.4534

Trichromacy



Original Color

49.7085, 51.7692, 61.4054

Protanomaly

49.7416, 51.4659, 61.3451

Deuteranomaly

51.7488, 51.8529, 61.9247

Tritanomaly

50.0935, 51.6066, 63.1980

Monochromacy



Original Color

49.7085, 51.7692, 61.4054

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.6036, 52.1038, 58.4816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7085, 51.7692, 61.4054 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(189, 190, 199)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 199)  
}
```

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(189, 190, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 199) }
```

Border

The CSS property to change the border of an element to XYZ 49.7085, 51.7692, 61.4054 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(189, 190, 199) }
```


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

```
.border{ border-color:rgb(189, 190, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 190, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 199);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7085, 51.7692, 61.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 199) }
```

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

```
.background{ background-color: rgb(189,  
190, 199) }
```

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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