

Converting Colors

XYZ(51.6394, 52.9625, 69.8410)

Have a look what the booklet for
XYZ(51.6394, 52.9625, 69.8410)
contains.

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Color

**XYZ(51.5007, 52.8339,
69.7709)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBFD4
RGB	189, 191, 212
RGB Percent	74%, 75%, 83%
CMY	0.2588, 0.2510, 0.1686
CMYK	0.11, 0.10, 0.00, 0.17
HSL	235°, 21%, 79%
HSV	235°, 11%, 83%
XYZ	51.5007, 52.8339, 69.7709
YIQ	192.7960, -7.9330, 6.1070

Conversions

Conversions Part 2

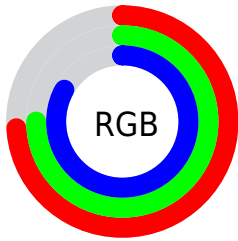
Format	Color
RYB	189, 191, 212
Decimal	12435412
CIELab	77.78, 3.42, -10.74
CIELCh	78, 11.271, 287.638
Yxy	52.8339, 0.2958, 0.3035
Android (android.graphics.Color)	4290625492 (0xFFBDBFD4)
YUV	192.7960, 9.4676, -3.3291
Hunter-Lab	72.6869, -0.7299, -6.0306

Details

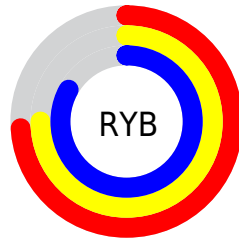
The XYZ color **51.5007, 52.8339, 69.7709** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.3834, 63.7638, 57.3229**, and the grayscale version is **50.5196, 53.1506, 57.8810**.

A 20% lighter version of the original color is **88.9670, 93.1540, 107.8992**, and **25.3276, 25.8455, 35.5521** is the 20% darker color. If you saturate the color by 10%, you get **42.6761, 42.4288, 68.2284**, and if you desaturate by 10%, it is **61.6548, 64.7552, 71.5376**.

Distribution



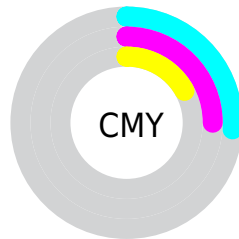
- Red (74%)
- Green (75%)
- Blue (83%)



- Red (74%)
- Yellow (75%)
- Blue (83%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)



- Cyan (26%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5007, 52.8339, 69.7709 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 51.5007, 52.8339, 69.7709 by changing the saturation by 10% instead.

■ 51.5007, 52.8339,
69.7709

■ 51.5007, 52.8339,
69.7709

382.8617,
397.6475, 478.5126

■ 36.8299, 37.6702,
50.8641

■ 91.5731, 94.3599,
120.5600

■ 25.2489, 25.7268,
35.7245

117.7053,
121.4910, 153.2795

■ 16.3923, 16.6194,
23.9335

148.3888,
153.3800, 191.4402

■ 9.8948, 9.9635,
15.0726

183.9888,
190.4113, 235.4608

■ 5.3910, 5.3748,
8.7231

224.8708,
232.9693, 285.7598

■ 2.5155, 2.4688,
4.4667

271.4000,

■ 0.9031, 0.8609,

281.4384, 342.7558

1.8847

323.9419,
336.2030, 406.8672

■ 0.0000, 0.0000,
0.4830

■ 0.0000, 0.0000,
0.0000

■ 51.5007, 52.8339,
69.7709

■ 51.5007, 52.8339,
69.7709

■ 42.6761, 42.4288,
68.2284

■ 61.6548, 64.7552,
71.5376

■ 35.1215, 33.4726,
66.8979

■ 73.1855, 78.2431,
73.5333

■ 28.7796, 25.9031,
65.7711

■ 86.1433, 93.3540,
75.7670

■ 23.5871, 19.6506,
64.8379

■ 88.8838, 97.5335,
76.4293

■ 19.4748, 14.6398,
64.0875

■ 16.3659, 10.7872,
63.5077

■ 14.1738, 7.9995,
63.0852

■ 12.7964, 6.1683,
62.8043

■ 12.1077, 5.2012,
62.6539

Harmonies

Analogous

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



49.3231, 52.8339, 70.0974



51.5007, 52.8339, 69.7709



53.3854, 52.8339, 66.0203

Triad

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



51.5007, 52.8339, 69.7709



53.1011, 52.8339, 49.0875



46.2244, 52.8339, 54.9898

Complementary

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



51.5007, 52.8339, 69.7709



59.3834, 63.7638, 57.3229

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.



47.1765, 52.8339, 49.7955



51.5007, 52.8339, 69.7709



51.1217, 52.8339, 46.5573

Square

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



51.5007, 52.8339, 69.7709



54.3277, 52.8339, 53.9582



48.9549, 52.8339, 46.8067



46.3192, 52.8339, 61.2501

Rectangle

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



51.5007, 52.8339, 69.7709



54.2030, 52.8339, 62.2267



48.9549, 52.8339, 46.8067



46.4314, 52.8339, 53.0703

Sweetspot

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



51.5023, 52.8361, 69.7721



90.1037, 94.2026, 108.0417



56.1261, 62.5449, 69.8920



19.0099, 19.8395, 23.0774



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.



51.5023, 52.8361, 69.7721



74.9824, 76.4341, 105.4090



53.4236, 53.1826, 69.7377



11.8287, 12.1808, 15.6652



7.5055, 3.2728, 38.6893



0.4835, 0.2589, 2.3438

Inverse Universe

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



54.7541, 54.1549, 56.8599



80.8762, 78.8448, 82.0020



57.3038, 63.4304, 57.3681



12.4667, 12.4382, 13.1320



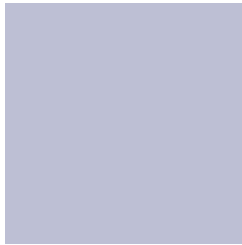
16.8473, 8.6752, 1.2339



1.0317, 0.5295, 0.1562

Previews

White Background



This preview shows how the XYZ color 51.5007, 52.8339, 69.7709 looks on a white background.

Color Contrast Check

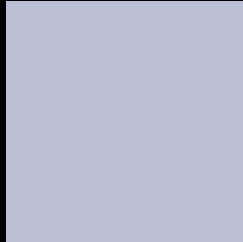
Large Text (above 18pt) WCAG AA × Fail

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 51.5007, 52.8339, 69.7709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

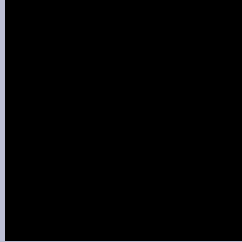
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5007, 52.8339, 69.7709

Background



This preview shows how black text looks on a background with the XYZ color 51.5007, 52.8339, 69.7709.

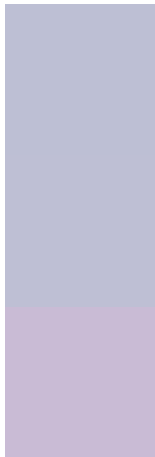


This preview shows how white text looks on a background with the XYZ color 51.5007, 52.8339,

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

51.5007, 52.8339, 69.7709

Protanopia

51.7497, 52.9622, 69.7826

Deuteranopia

53.8680, 52.7623, 70.2958



Tritanopia

50.8512, 52.8956, 66.5612

Trichromacy



Original Color

51.5007, 52.8339, 69.7709

Protanomaly

51.7497, 52.9622, 69.7826

Deuteranomaly

53.0194, 52.6409, 70.3171

Tritanomaly

51.0973, 52.9941, 67.8574

Monochromacy



Original Color

51.5007, 52.8339, 69.7709

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

51.0132, 53.0759, 62.1996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5007, 52.8339, 69.7709 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, 191, 212)` looks like.

```
.text, #text, p{  
    color:rgb(189, 191, 212)  
}
```

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, 191, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 191, 212) }
```

Border

The CSS property to change the border of an element to XYZ 51.5007, 52.8339, 69.7709 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, 191, 212) }
```


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

```
.border{ border-color:rgb(189, 191, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 191, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 191, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 191, 212);  
box-shadow:4px 4px 4px 4px rgb(189, 191,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5007, 52.8339, 69.7709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 191, 212) }
```

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

```
.background{ background-color: rgb(189,  
191, 212) }
```

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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