

Converting Colors

XYZ(51.6496, 49.7845, 71.3871)

Have a look what the booklet for
XYZ(51.6496, 49.7845, 71.3871)
contains.

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Color

**XYZ(51.5546, 49.6898,
71.1639)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B5D7
RGB	196, 181, 215
RGB Percent	77%, 71%, 84%
CMY	0.2314, 0.2902, 0.1569
CMYK	0.09, 0.16, 0.00, 0.16
HSL	266°, 30%, 78%
HSV	266°, 16%, 84%
XYZ	51.5546, 49.6898, 71.1639
YIQ	189.3610, -1.9740, 13.7540

Conversions

Conversions Part 2

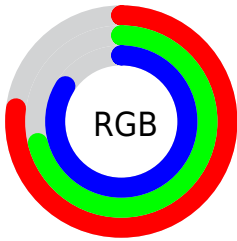
Format	Color
R_{YB}	196, 181, 215
Decimal	12891607
CIE _{Lab}	75.88, 11.74, -15.15
CIE _{LCh}	76, 19.170, 307.765
Yxy	49.6898, 0.2990, 0.2882
Android (android.graphics.Color)	4291081687 (0xFFC4B5D7)
YUV	189.3610, 12.6400, 5.8224
Hunter-Lab	70.4910, 7.1893, -10.5123

Details

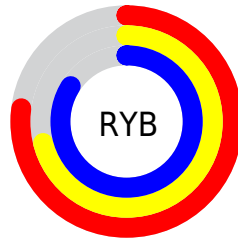
The XYZ color **51.5546, 49.6898, 71.1639** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **56.4621, 64.2177, 53.1378**, and the grayscale version is **48.5084, 51.0346, 55.5767**.

A 20% lighter version of the original color is **88.8422, 88.6710, 107.0405**, and **25.2197, 23.7272, 36.5083** is the 20% darker color. If you saturate the color by 10%, you get **44.5149, 40.0651, 69.6779**, and if you desaturate by 10%, it is **59.5223, 60.7970, 72.8886**.

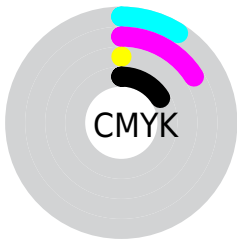
Distribution



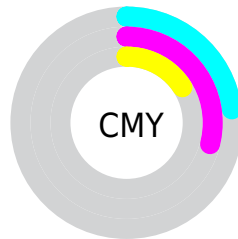
- Red (77%)
- Green (71%)
- Blue (84%)



- Red (77%)
- Yellow (71%)
- Blue (84%)



- Cyan (9%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)



- Cyan (23%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5546, 49.6898, 71.1639 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 51.5546, 49.6898, 71.1639 by changing the saturation by 10% instead.

■ 51.5546, 49.6898,
71.1639

■ 51.5546, 49.6898,
71.1639

383.0670,
385.4516, 483.5253

■ 36.8730, 35.1670,
51.9933

■ 91.6522, 89.7151,
122.5637

■ 25.2824, 23.7915,
36.6175

117.7988,
115.9864, 155.6300

■ 16.4174, 15.1791,
24.6180

148.4979,
146.9426, 194.1653

■ 9.9127, 8.9451,
15.5763

184.1148,
182.9681, 238.5881

■ 5.4030, 4.7054,
9.0737

225.0148,
224.4474, 289.3169

■ 2.5227, 2.0755,
4.6918

271.5632,

■ 0.9067, 0.6508,

271.7648, 346.7704

2.0121

324.1255,
325.3048, 411.3670

■ 0.0000, 0.0000,
0.5627

■ 0.0000, 0.0000,
0.0000

■ 51.5546, 49.6898,
71.1639

■ 51.5546, 49.6898,
71.1639

■ 44.5149, 40.0651,
69.6779

■ 59.5223, 60.7970,
72.8886

■ 38.3619, 31.8519,
68.4169

■ 68.4479, 73.4409,
74.8587

■ 33.0579, 24.9827,
67.3706

■ 78.3656, 87.6809,
77.0846

■ 28.5604, 19.3818,
66.5266

■ 85.3562, 95.6708,
78.2584

■ 24.8228, 14.9659,
65.8712

■ 89.2659, 97.6864,
78.4413

■ 21.7931, 11.6410,
65.3891

■ 19.4116, 9.2984,
65.0625

■ 17.6057, 7.8042,
64.8692

■ 16.9693, 7.3311,
64.8115

Harmonies

Analogous

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



48.1614, 49.6898, 75.9921



51.5546, 49.6898, 71.1639



53.8657, 49.6898, 61.8819

Triad

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



51.5546, 49.6898, 71.1639



49.8717, 49.6898, 37.8831



40.7539, 49.6898, 56.8011

Complementary

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



51.5546, 49.6898, 71.1639



56.4621, 64.2177, 53.1378

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.



41.1605, 49.6898, 47.0063



51.5546, 49.6898, 71.1639



46.3081, 49.6898, 36.8824

Square

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



51.5546, 49.6898, 71.1639



52.8605, 49.6898, 42.9442



43.1518, 49.6898, 40.0144



42.0118, 49.6898, 67.0463

Rectangle

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



51.5546, 49.6898, 71.1639



54.4186, 49.6898, 54.8734



43.1518, 49.6898, 40.0144



40.7017, 49.6898, 53.3413

Sweetspot

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



51.5561, 49.6919, 71.1650



88.5435, 90.8067, 107.4684



52.0397, 56.1640, 72.3888



18.7625, 19.1698, 22.9612



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.



51.5561, 49.6919, 71.1650



72.2246, 68.1094, 103.9475



56.1543, 52.0624, 71.3802



12.2573, 12.2741, 15.6606



10.2671, 4.4454, 38.7701



0.7135, 0.3167, 2.3428

Inverse Universe

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



54.9752, 51.6671, 61.7211



78.2416, 71.5870, 87.2547



52.2346, 62.0384, 52.9400



12.7109, 12.5359, 14.4179



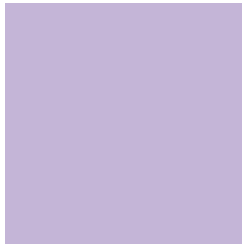
18.8494, 9.4761, 11.7769



1.1782, 0.5881, 0.9280

Previews

White Background



This preview shows how the XYZ color 51.5546, 49.6898, 71.1639 looks on a white background.

Color Contrast Check

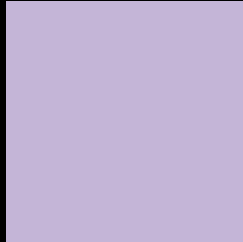
Large Text (above 18pt) WCAG AA × Fail

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 51.5546, 49.6898, 71.1639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

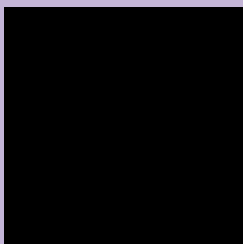
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5546, 49.6898, 71.1639

Background



This preview shows how black text looks on a background with the XYZ color 51.5546, 49.6898, 71.1639.



This preview shows how white text looks on a background with the XYZ color 51.5546, 49.6898,

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

51.5546, 49.6898, 71.1639

Protanopia

49.2699, 50.0035, 73.3845

Deuteranopia

50.7319, 49.5687, 71.1838



Tritanopia

49.3259, 49.6957, 60.4185

Trichromacy



Original Color

51.5546, 49.6898, 71.1639

Protanomaly

49.9146, 49.7298, 72.6137

Deuteranomaly

50.9860, 49.6997, 71.1957

Tritanomaly

50.0807, 49.6959, 64.0795

Monochromacy



Original Color

51.5546, 49.6898, 71.1639

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.4902, 50.4015, 60.5461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5546, 49.6898, 71.1639 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(196, 181, 215)` looks like.

```
.text, #text, p{  
    color:rgb(196, 181, 215)  
}
```

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(196, 181, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 181, 215) }
```

Border

The CSS property to change the border of an element to XYZ 51.5546, 49.6898, 71.1639 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(196, 181, 215) }
```


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

```
.border{ border-color:rgb(196, 181, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 181, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 181, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 181, 215);  
box-shadow:4px 4px 4px 4px rgb(196, 181,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5546, 49.6898, 71.1639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 181, 215) }
```

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

```
.background{ background-color: rgb(196,  
181, 215) }
```

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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