

# Converting Colors

XYZ(51.3846, 49.7073, 65.6949)

Have a look what the booklet for  
XYZ(51.3846, 49.7073, 65.6949)  
contains.

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# Color

**XYZ(51.3395, 49.6949,  
65.9177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7B5CF
RGB	199, 181, 207
RGB Percent	78%, 71%, 81%
CMY	0.2196, 0.2902, 0.1882
CMYK	0.04, 0.13, 0.00, 0.19
HSL	282°, 21%, 76%
HSV	282°, 13%, 81%
XYZ	51.3395, 49.6949, 65.9177
YIQ	189.3460, 2.3820, 11.9020

# Conversions

## Conversions Part 2

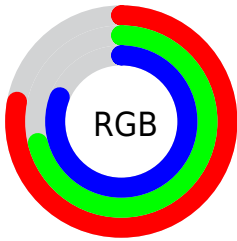
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 181, 207
Decimal	13088207
CIE Lab	75.88, 11.16, -10.77
CIE LCh	76, 15.511, 316.003
Yxy	49.6949, 0.3075, 0.2977
Android (android.graphics.Color)	4291278287 (0xFFC7B5CF)
YUV	189.3460, 8.7034, 8.4666
Hunter-Lab	70.4946, 6.6316, -6.0943

# Details

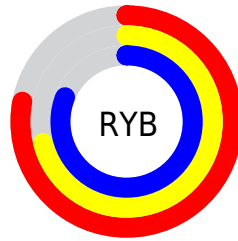
The XYZ color **51.3395, 49.6949, 65.9177** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **51.6416, 58.7821, 52.3429**, and the grayscale version is **48.5199, 51.0467, 55.5898**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **25.1460, 23.7580, 33.3974** is the 20% darker color. If you saturate the color by 10%, you get **45.7847, 41.0415, 64.5409**, and if you desaturate by 10%, it is **57.5934, 59.6398, 67.5084**.

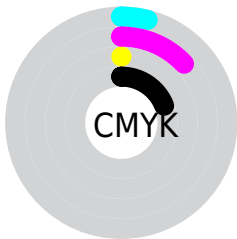
# Distribution



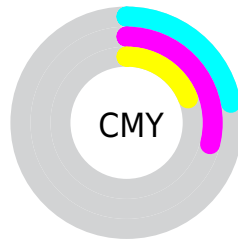
- Red (78%)
- Green (71%)
- Blue (81%)



- Red (78%)
- Yellow (71%)
- Blue (81%)



- Cyan (4%)
- Magenta (13%)
- Yellow (0%)
- Black (19%)



- Cyan (22%)
- Magenta (29%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3395, 49.6949, 65.9177 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 51.3395, 49.6949, 65.9177 by changing the saturation by 10% instead.



■ 51.3395, 49.6949,  
65.9177

■ 51.3395, 49.6949,  
65.9177

382.2473,  
385.4716, 464.4787

■ 36.7010, 35.1710,  
47.7495

■ 91.3364, 89.7227,  
114.9941

■ 25.1487, 23.7947,  
33.2700

117.4256,  
115.9953, 146.7394

■ 16.3172, 15.1814,  
22.0606

148.0623,  
146.9531, 183.8475

■ 9.8412, 8.9468,  
13.7027

183.6120,  
182.9803, 226.7369

■ 5.3552, 4.7065,  
7.7778

224.4400,  
224.4614, 275.8262

■ 2.4940, 2.0761,  
3.8674

270.9116,

■ 0.8923, 0.6511,

271.7807, 331.5339

1.5529

323.3923,  
325.3226, 394.2785

■ 0.0000, 0.0000,  
0.2568

■ 0.0000, 0.0000,  
0.0000

■ 51.3395, 49.6949,  
65.9177

■ 51.3395, 49.6949,  
65.9177

■ 45.7847, 41.0415,  
64.5409

■ 57.5934, 59.6398,  
67.5084

■ 40.8961, 33.6177,  
63.3657

■ 64.5686, 70.9217,  
69.3184

■ 36.6450, 27.3661,  
62.3830

■ 72.2916, 83.5919,  
71.3569

■ 32.9983, 22.2224,  
61.5824

■ 77.9127, 91.9495,  
72.6738

29.9200, 18.1155,  
60.9519

79.9299, 92.9894,  
72.7683

27.3697, 14.9662,  
60.4785

82.0220, 94.0679,  
72.8662

25.3012, 12.6834,  
60.1469

84.1896, 95.1853,  
72.9676

23.6591, 11.1578,  
59.9390

86.4336, 96.3422,  
73.0726

22.6422, 10.3714,  
59.8408

88.2626, 97.2851,  
73.1582

# Harmonies

## Analogous

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



48.7801, 49.6949, 70.8708



51.3395, 49.6949, 65.9177



52.8258, 49.6949, 58.0454

# Triad

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



51.3395, 49.6949, 65.9177



48.5886, 49.6949, 40.1057



42.0971, 49.6949, 58.6106

# Complementary

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



51.3395, 49.6949, 65.9177



51.6416, 58.7821, 52.3429

# 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.



42.0505, 49.6949, 50.3553



51.3395, 49.6949, 65.9177



45.7199, 49.6949, 40.2238

# Square

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



51.3395, 49.6949, 65.9177



51.1944, 49.6949, 43.4617



43.3525, 49.6949, 43.8027



43.4824, 49.6949, 66.3677



# Rectangle

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



51.3395, 49.6949, 65.9177



52.9707, 49.6949, 52.4639



43.3525, 49.6949, 43.8027



41.9263, 49.6949, 55.7887

# Sweetspot

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



51.3410, 49.6970, 65.9188



90.7365, 93.0734, 107.7904



48.5684, 50.8266, 66.2830



19.2523, 19.6511, 23.0283



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.



51.3410, 49.6970, 65.9188



79.8397, 75.8124, 105.0330



52.9459, 50.5907, 62.9977



11.9420, 11.8189, 14.8955



14.3660, 6.5862, 37.7066



0.8824, 0.4090, 2.1120



# Inverse Universe

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



51.4432, 49.9896, 55.0845



80.0645, 76.3873, 84.3029



50.2089, 57.9860, 54.8729



11.9564, 11.8673, 13.0462



16.8276, 8.6039, 3.9981

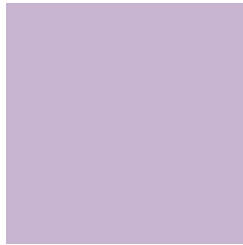


0.9763, 0.4952, 0.4101



# Previews

## White Background



This preview shows how the XYZ color 51.3395, 49.6949, 65.9177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

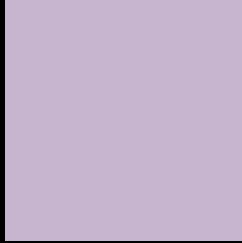
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3395, 49.6949, 65.9177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

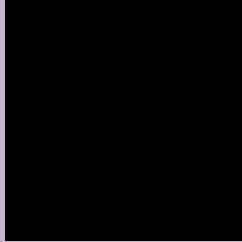
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.3395, 49.6949, 65.9177**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3395, 49.6949, 65.9177.



This preview shows how white text looks on a background with the XYZ color 51.3395, 49.6949,

65.9177.

# 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

51.3395, 49.6949, 65.9177

### Protanopia

48.9589, 49.9613, 68.0359

### Deuteranopia

50.7554, 49.6967, 65.9488



## Tritanopia

50.0375, 49.7685, 59.7923

# Trichromacy



## Original Color

51.3395, 49.6949, 65.9177

## Protanomaly

49.6354, 49.7032, 67.2992

## Deuteranomaly

51.0164, 49.8312, 65.9610

## Tritanomaly

50.5593, 49.6787, 62.1825

# Monochromacy



## Original Color

51.3395, 49.6949, 65.9177

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.5150, 50.4408, 59.3509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3395, 49.6949, 65.9177 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(199, 181, 207)` looks like.

```
.text, #text, p{  
    color:rgb(199, 181, 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(199, 181, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 181, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3395, 49.6949, 65.9177 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(199, 181, 207) }
```



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

```
.border{ border-color:rgb(199, 181, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 181, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 181, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 181, 207);  
box-shadow:4px 4px 4px 4px rgb(199, 181,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3395, 49.6949, 65.9177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 181, 207) }
```

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

```
.background{ background-color: rgb(199,  
181, 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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