

# Converting Colors

XYZ(51.9579, 50.9680, 70.1615)

Have a look what the booklet for  
XYZ(51.9579, 50.9680, 70.1615)  
contains.

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# Color

**XYZ(51.9157, 50.8208,  
70.0239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4B8D5
RGB	196, 184, 213
RGB Percent	77%, 72%, 84%
CMY	0.2314, 0.2784, 0.1647
CMYK	0.08, 0.14, 0.00, 0.16
HSL	265°, 26%, 78%
HSV	265°, 14%, 84%
XYZ	51.9157, 50.8208, 70.0239
YIQ	190.8940, -2.1570, 11.5630

# Conversions

## Conversions Part 2

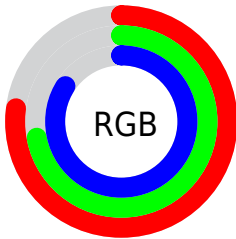
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 184, 213
Decimal	12892373
CIE Lab	76.57, 9.71, -13.03
CIE LCh	77, 16.248, 306.688
Yxy	50.8208, 0.3005, 0.2942
Android (android.graphics.Color)	4291082453 (0xFFC4B8D5)
YUV	190.8940, 10.8983, 4.4780
Hunter-Lab	71.2887, 5.2366, -8.3360

# Details

The XYZ color **51.9157, 50.8208, 70.0239** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **56.5351, 63.4679, 54.6206**, and the grayscale version is **49.4009, 51.9736, 56.5992**.

A 20% lighter version of the original color is **89.7181, 90.4228, 107.3324**, and **25.4432, 24.4520, 35.7265** is the 20% darker color. If you saturate the color by 10%, you get **44.7063, 41.0242, 68.5137**, and if you desaturate by 10%, it is **60.0647, 62.0935, 71.7710**.

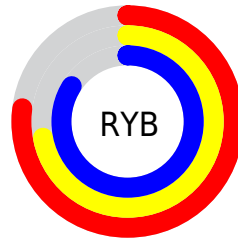
# Distribution



Red (77%)

Green (72%)

Blue (84%)



Red (77%)

Yellow (72%)

Blue (84%)

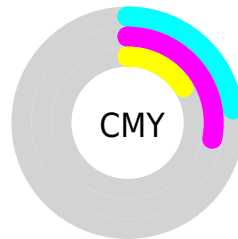


Cyan (8%)

Magenta (14%)

Yellow (0%)

Black (16%)



Cyan (23%)

Magenta (28%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9157, 50.8208, 70.0239 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 51.9157, 50.8208, 70.0239 by changing the saturation by 10% instead.



■ 51.9157, 50.8208,  
70.0239

■ 51.9157, 50.8208,  
70.0239

384.4404,  
389.8672, 479.4253

■ 37.1619, 36.0660,  
51.0691

■ 92.1819, 91.3898,  
120.9243

■ 25.5071, 24.4852,  
35.8865

118.4249,  
117.9729, 153.7069

■ 16.5860, 15.6939,  
24.0575

149.2284,  
149.2674, 191.9359

■ 10.0332, 9.3078,  
15.1637

184.9578,  
185.6579, 236.0298

■ 5.4834, 4.9425,  
8.7865

225.9783,  
227.5288, 286.4072

■ 2.5713, 2.2136,  
4.5073

272.6553,

■ 0.9313, 0.7274,

275.2643, 343.4865

1.9075

325.3542,  
329.2490, 407.6864

■ 0.0000, 0.0000,  
0.4975

■ 0.0000, 0.0000,  
0.0000

■ 51.9157, 50.8208,  
70.0239

■ 51.9157, 50.8208,  
70.0239

■ 44.7063, 41.0242,  
68.5137

■ 60.0647, 62.0935,  
71.7710

■ 38.3956, 32.6344,  
67.2269

■ 69.1829, 74.8946,  
73.7613

■ 32.9465, 25.5862,  
66.1537

■ 79.3041, 89.2820,  
76.0049

■ 28.3173, 19.8066,  
65.2821

■ 85.7589, 95.9080,  
76.9437

■ 24.4622, 15.2155,  
64.5991

■ 89.0104, 97.5842,  
77.0958

■ 21.3308, 11.7230,  
64.0900

■ 18.8653, 9.2260,  
63.7380

■ 16.9971, 7.6002,  
63.5227

■ 16.0473, 6.8852,  
63.4347

# Harmonies

## Analogous

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



48.9941, 50.8208, 73.8746



51.9157, 50.8208, 70.0239



53.9281, 50.8208, 62.2963

# Triad

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



51.9157, 50.8208, 70.0239



50.6768, 50.8208, 41.2207



42.6766, 50.8208, 57.3268

# Complementary

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



51.9157, 50.8208, 70.0239



56.5351, 63.4679, 54.6206

# 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.



43.0845, 50.8208, 48.9130



51.9157, 50.8208, 70.0239



47.6197, 50.8208, 40.1901

# Square

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



51.9157, 50.8208, 70.0239



53.1919, 50.8208, 45.8399



44.8631, 50.8208, 42.8593



43.7244, 50.8208, 66.0588



# Rectangle

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



51.9157, 50.8208, 70.0239



54.4375, 50.8208, 56.3174



44.8631, 50.8208, 42.8593



42.6487, 50.8208, 54.3645

# Sweetspot

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



51.9172, 50.8230, 70.0250



89.7161, 92.5473, 107.7426



52.7592, 56.9562, 71.1645



18.9939, 19.5179, 23.0162



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.



51.9172, 50.8230, 70.0250



75.1285, 72.4169, 104.6259



55.7590, 52.8035, 70.2048



12.2245, 12.2571, 15.6591



9.9123, 4.2625, 38.7535



0.6908, 0.3050, 2.3418



# Inverse Universe

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



55.1253, 52.6463, 62.5168



80.7873, 75.6345, 91.3214



52.9168, 61.6026, 54.4513



12.7256, 12.5417, 14.4950



19.0699, 9.5643, 12.9381



1.1910, 0.5932, 0.9950



# Previews

## White Background



This preview shows how the XYZ color 51.9157, 50.8208, 70.0239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

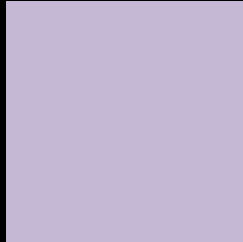
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.9157, 50.8208, 70.0239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

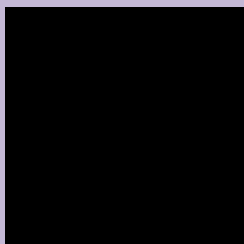
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.9157, 50.8208, 70.0239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.9157, 50.8208, 70.0239.



This preview shows how white text looks on a background with the XYZ color 51.9157, 50.8208,



# 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

51.9157, 50.8208, 70.0239

### Protanopia

49.8032, 50.6373, 71.4390

### Deuteranopia

51.9157, 50.8208, 70.0239



## Tritanopia

50.3497, 50.8042, 62.4108

# Trichromacy



## Original Color

51.9157, 50.8208, 70.0239

## Protanomaly

50.4355, 50.6642, 70.7393

## Deuteranomaly

51.9157, 50.8208, 70.0239

## Tritanomaly

50.8741, 50.7078, 64.8638

# Monochromacy



## Original Color

51.9157, 50.8208, 70.0239

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

50.2843, 51.4274, 61.3090

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9157, 50.8208, 70.0239 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, 184, 213)` looks like.

```
.text, #text, p{  
    color:rgb(196, 184, 213)  
}
```

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, 184, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 184, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9157, 50.8208, 70.0239 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".

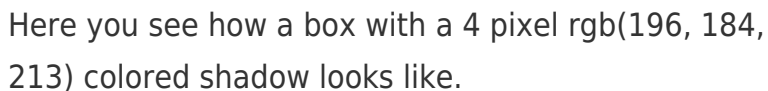
```
.border, #border, table{ border:4px solid rgb(196, 184, 213) }
```



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

```
.border{ border-color:rgb(196, 184, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 184, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 184, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 184, 213); box-shadow:4px 4px 4px 4px rgb(196, 184, 213) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9157, 50.8208, 70.0239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 184, 213) }
```

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

```
.background{ background-color: rgb(196,  
184, 213) }
```

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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