

# Converting Colors

XYZ(38.4789, 31.2876, 58.6546)

Have a look what the booklet for  
XYZ(38.4789, 31.2876, 58.6546)  
contains.

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# Color

**XYZ(38.4789, 31.2876,  
58.6546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B786C8
RGB	183, 134, 200
RGB Percent	72%, 53%, 78%
CMY	0.2823, 0.4745, 0.2157
CMYK	0.08, 0.33, 0.00, 0.22
HSL	285°, 37%, 65%
HSV	285°, 33%, 78%
XYZ	38.4789, 31.2876, 58.6546
YIQ	156.1750, 8.0180, 30.9140

# Conversions

## Conversions Part 2

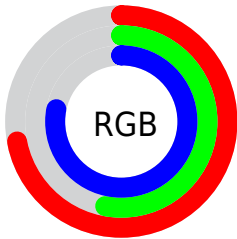
Format	Color
R <sub>Y</sub> B	183, 134, 200
Decimal	12027592
CIE Lab	62.75, 30.45, -26.96
CIE LCh	63, 40.665, 318.476
Yxy	31.2876, 0.2996, 0.2436
Android (android.graphics.Color)	4290217672 (0xFFB786C8)
YUV	156.1750, 21.6057, 23.5255
Hunter-Lab	55.9353, 24.9065, -23.0176

# Details

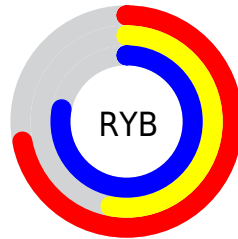
The XYZ color **38.4789, 31.2876, 58.6546** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.7208, 49.6098, 30.1432**, and the grayscale version is **31.5830, 33.2278, 36.1850**.

A 20% lighter version of the original color is **71.9684, 61.7117, 102.7261**, and **17.3348, 12.9290, 28.7760** is the 20% darker color. If you saturate the color by 10%, you get **34.7690, 25.6529, 57.7630**, and if you desaturate by 10%, it is **42.7585, 37.9935, 59.7239**.

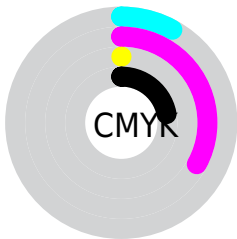
# Distribution



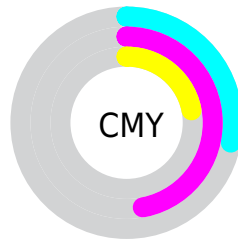
- Red (72%)
- Green (53%)
- Blue (78%)



- Red (72%)
- Yellow (53%)
- Blue (78%)



- Cyan (8%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)




- Cyan (28%)
- Magenta (47%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4789, 31.2876, 58.6546 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 38.4789, 31.2876, 58.6546 by changing the saturation by 10% instead.




 38.4789, 31.2876,  
58.6546

 38.4789, 31.2876,  
58.6546

330.9153,  
307.8611, 437.2869


 26.5335, 20.8179,  
41.9170


 72.1408, 61.6926,  
104.3997

 17.3579, 12.9910,  
28.7112


 94.5879, 82.3967,  
134.2442

 10.5869, 7.4223,  
18.6187


 121.2663,  
107.2811, 169.2947

 5.8550, 3.7276,  
11.2211

152.5414,  
136.7302, 209.9698

 2.7969, 1.5224,  
6.0997

188.7785,  
171.1283, 256.6881

 1.0473, 0.3044,  
2.8360

230.3430,

 0.0000, 0.0000,

210.8599, 309.8680

1.0115

277.6001,  
256.3094, 369.9281

■ 0.0000, 0.0000,  
0.0000

■ 38.4789, 31.2876,  
58.6546

■ 38.4789, 31.2876,  
58.6546

■ 34.7690, 25.6529,  
57.7630

■ 42.7585, 37.9935,  
59.7239

■ 31.5955, 21.0262,  
57.0372

■ 47.6323, 45.8214,  
60.9779

■ 28.9267, 17.3435,  
56.4670


■ 53.1272, 54.8234,  
62.4259


■ 26.7257, 14.5318,  
56.0403


■ 59.2674, 65.0474,  
64.0757

■ 24.9500, 12.5072,  
55.7431


■ 66.0758, 76.5384,  
65.9348


 23.5489, 11.1687,  
55.5586

 73.5740, 89.3392,  
68.0105

 22.7263, 10.5115,  
55.4751

 75.4174, 90.7598,  
68.1875

 76.9920, 91.5716,  
68.2612

 78.6150, 92.4082,  
68.3372

# Harmonies

## Analogous

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



33.2552, 31.2876, 72.1264



38.4789, 31.2876, 58.6546



41.4878, 31.2876, 40.5552

# Triad

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



38.4789, 31.2876, 58.6546



31.9247, 31.2876, 12.0152



20.7091, 31.2876, 44.7170

# Complementary

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



38.4789, 31.2876, 58.6546



37.7208, 49.6098, 30.1432

# 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.



20.4467, 31.2876, 28.3103



38.4789, 31.2876, 58.6546



26.4778, 31.2876, 12.5012

# Square

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



38.4789, 31.2876, 58.6546



37.4009, 31.2876, 15.9048



22.4324, 31.2876, 17.5372



23.2004, 31.2876, 62.5062



# Rectangle

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



38.4789, 31.2876, 58.6546



41.6112, 31.2876, 29.7515



22.4324, 31.2876, 17.5372



20.3699, 31.2876, 38.7806

# Sweetspot

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



38.4799, 31.2889, 58.6553



85.0726, 83.5712, 106.2548



31.4214, 31.5666, 59.0809



17.9283, 17.4302, 22.6694



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.



38.4799, 31.2889, 58.6553



61.6675, 46.6157, 100.3552



41.0602, 32.8167, 49.8488



10.8061, 10.6738, 13.4082



14.5370, 6.7284, 35.2769



0.7529, 0.3519, 1.6734



# Inverse Universe

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



37.9314, 31.5652, 33.3728



60.7955, 47.3082, 48.7194



35.9436, 48.5604, 36.0815



10.7441, 10.6810, 11.6358



15.5638, 7.9751, 2.9129



0.7675, 0.3898, 0.2988



# Previews

## White Background



This preview shows how the XYZ color 38.4789, 31.2876, 58.6546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

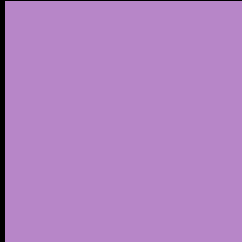
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.4789, 31.2876, 58.6546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

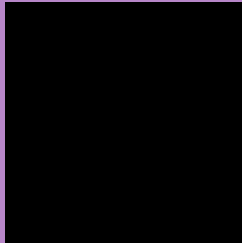
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.4789, 31.2876, 58.6546**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.4789, 31.2876, 58.6546.



This preview shows how white text looks on a background with the XYZ color 38.4789, 31.2876,



# 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

38.4789, 31.2876, 58.6546

### Protanopia

32.4629, 31.5527, 66.6667

### Deuteranopia

32.1532, 31.3657, 57.1829



## Tritanopia

33.5597, 31.2081, 34.8268

# Trichromacy



## Original Color

38.4789, 31.2876, 58.6546

## Protanomaly

34.1209, 31.0799, 63.8752

## Deuteranomaly

34.2669, 31.2928, 57.6601

## Tritanomaly

35.3192, 31.2801, 42.7042

# Monochromacy



## Original Color

38.4789, 31.2876, 58.6546

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

33.7622, 32.2654, 43.4781

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.4789, 31.2876, 58.6546 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(183, 134, 200)` looks like.

```
.text, #text, p{  
    color:rgb(183, 134, 200)  
}
```

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(183, 134, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 134, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 38.4789, 31.2876, 58.6546 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(183, 134, 200) }
```



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

```
.border{ border-color:rgb(183, 134, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 134, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 134, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 134, 200);  
box-shadow:4px 4px 4px 4px rgb(183, 134,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.4789, 31.2876, 58.6546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 134, 200) }
```

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

```
.background{ background-color: rgb(183,  
134, 200) }
```

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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