

# Converting Colors

XYZ(38.0494, 31.0784, 38.2117)

Have a look what the booklet for  
XYZ(38.0494, 31.0784, 38.2117)  
contains.

<b>XYZ(38.0616, 31.1169, 38.1825)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(38.0616, 31.1169,  
38.1825)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C684A2
RGB	198, 132, 162
RGB Percent	78%, 52%, 64%
CMY	0.2235, 0.4823, 0.3647
CMYK	0.00, 0.33, 0.18, 0.22
HSL	333°, 37%, 65%
HSV	333°, 33%, 78%
XYZ	38.0616, 31.1169, 38.1825
YIQ	155.1540, 29.7060, 23.3220

# Conversions

## Conversions Part 2

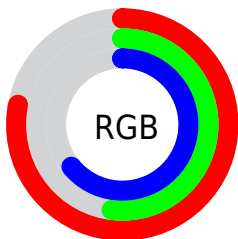
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 132, 162
Decimal	13010082
CIE Lab	62.61, 29.72, -5.51
CIE LCh	63, 30.228, 349.500
Yxy	31.1169, 0.3545, 0.2898
Android (android.graphics.Color)	4291200162 (0xFFC684A2)
YUV	155.1540, 3.3751, 37.5759
Hunter-Lab	55.7825, 24.1749, -1.5356

# Details

The XYZ color **38.0616, 31.1169, 38.1825** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.7791, 48.1218, 44.3981**, and the grayscale version is **31.2009, 32.8258, 35.7473**.

A 20% lighter version of the original color is **71.3233, 61.3876, 73.7355**, and **17.0846, 12.8503, 16.3317** is the 20% darker color. If you saturate the color by 10%, you get **34.7079, 25.8803, 32.5295**, and if you desaturate by 10%, it is **42.0091, 37.4085, 44.4410**.

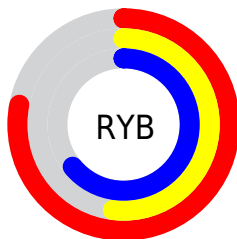
# Distribution



Red (78%)

Green (52%)

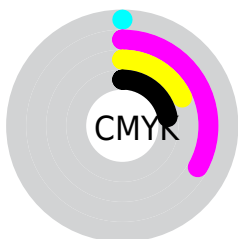
Blue (64%)



Red (78%)

Yellow (52%)

Blue (64%)

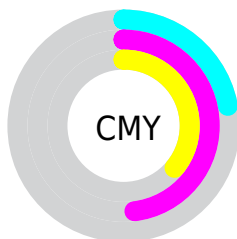


Cyan (0%)

Magenta (33%)

Yellow (18%)

Black (22%)



Cyan (22%)

Magenta (48%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0616, 31.1169, 38.1825 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 38.0616, 31.1169, 38.1825 by changing the saturation by 10% instead.





 38.0616, 31.1169,  
38.1825


 38.0616, 31.1169,  
38.1825


329.1604,  
307.0765, 353.7238


 26.2079, 20.6879,  
25.8214


 71.5058, 61.4241,  
73.5943

 17.1128, 12.8960,  
16.4655


 93.8271, 82.0710,  
97.4821

 10.4107, 7.3570,  
9.6963

 120.3683,  
106.8927, 126.0493

 5.7365, 3.6864,  
5.0951

151.4948,  
136.2736, 159.7143

 2.7246, 1.4997,  
2.2434

187.5719,  
170.5980, 198.8957

 1.0099, 0.2885,  
0.6993

228.9649,

 0.0000, 0.0000,

210.2504, 244.0121

0.0000

276.0393,  
255.6151, 295.4819

■ 38.0616, 31.1169,  
38.1825

■ 38.0616, 31.1169,  
38.1825

■ 34.7079, 25.8803,  
32.5295

■ 42.0091, 37.4085,  
44.4410

■ 31.9144, 21.6357,  
27.4597

■ 46.5764, 44.8048,  
51.3224

■ 29.6479, 18.3201,  
22.9517


■ 51.7911, 53.3575,  
58.8458


■ 27.8708, 15.8614,  
18.9818


■ 57.6782, 63.1140,  
67.0288


■ 26.5395, 14.1765,  
15.5242


■ 64.2615, 74.1187,  
75.8880


 25.6023, 13.1657,  
12.5493

 71.5635, 86.4139,  
85.4397

 25.1342, 12.7440,  
10.8066

 74.4237, 89.6758,  
93.9721

 76.0553, 90.3285,  
102.5644

 77.0989, 90.7459,  
108.0599

# Harmonies

## Analogous

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



36.0124, 31.1169, 50.8397



38.0616, 31.1169, 38.1825



37.6825, 31.1169, 26.8630

# Triad

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



38.0616, 31.1169, 38.1825



27.0113, 31.1169, 16.6892



24.7269, 31.1169, 54.2084

# Complementary

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



38.0616, 31.1169, 38.1825



36.7791, 48.1218, 44.3981

# 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.



22.7239, 31.1169, 42.0259



38.0616, 31.1169, 38.1825



23.9556, 31.1169, 21.1876

# Square

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



38.0616, 31.1169, 38.1825



31.0418, 31.1169, 16.1215



22.4553, 31.1169, 29.9154



28.1565, 31.1169, 61.4172



# Rectangle

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



38.0616, 31.1169, 38.1825



36.1138, 31.1169, 21.4100



22.4553, 31.1169, 29.9154



23.8785, 31.1169, 50.4435

# Sweetspot

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



38.0625, 31.1183, 38.1831



85.2885, 83.9320, 94.9950



34.4242, 28.8186, 57.1748



17.9824, 17.5187, 19.9350



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.



38.0625, 31.1183, 38.1831



62.9819, 48.1827, 60.2331



36.0075, 30.7788, 25.8746



10.8310, 10.7158, 12.0931



16.3872, 8.3045, 7.2490



0.8124, 0.4078, 0.5350



# Inverse Universe

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



38.0625, 31.1183, 38.1831



62.9819, 48.1827, 60.2331



39.4047, 48.3733, 60.6868



10.8310, 10.7158, 12.0931



16.3872, 8.3045, 7.2490

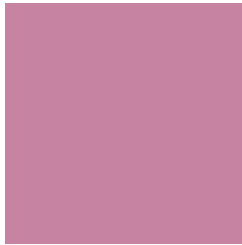


0.8124, 0.4078, 0.5350



# Previews

## White Background



This preview shows how the XYZ color 38.0616, 31.1169, 38.1825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

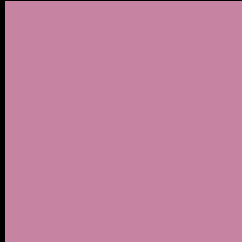
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.0616, 31.1169, 38.1825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

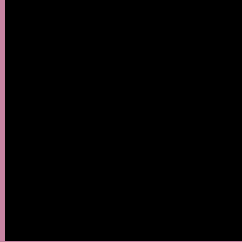
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 38.0616, 31.1169, 38.1825

## Background



This preview shows how black text looks on a background with the XYZ color 38.0616, 31.1169, 38.1825.



This preview shows how white text looks on a background with the XYZ color 38.0616, 31.1169,



# 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

38.0616, 31.1169, 38.1825

### Protanopia

30.9193, 31.4851, 44.4920

### Deuteranopia

31.7960, 31.1572, 37.1390



## Tritanopia

36.5398, 31.1080, 30.8667

# Trichromacy



## Original Color

38.0616, 31.1169, 38.1825

## Protanomaly

32.9548, 30.9558, 42.2684

## Deuteranomaly

33.9227, 31.1142, 37.4754

## Tritanomaly

37.1370, 31.1549, 33.3343

# Monochromacy



## Original Color

38.0616, 31.1169, 38.1825

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

33.3999, 31.9940, 36.7628

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.0616, 31.1169, 38.1825 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(198, 132, 162)` looks like.

```
.text, #text, p{  
    color:rgb(198, 132, 162)  
}
```

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(198, 132, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 132, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 38.0616, 31.1169, 38.1825 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(198, 132, 162) }
```



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

```
.border{ border-color:rgb(198, 132, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 132, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 132, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 132, 162);  
box-shadow:4px 4px 4px 4px rgb(198, 132,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.0616, 31.1169, 38.1825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 132, 162) }
```

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

```
.background{ background-color: rgb(198,  
132, 162) }
```

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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