

# Converting Colors

XYZ(37.2579, 31.2075, 55.4021)

Have a look what the booklet for  
XYZ(37.2579, 31.2075, 55.4021)  
contains.

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# Color

**XYZ(37.2449, 31.1322,  
55.6758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B388C3
RGB	179, 136, 195
RGB Percent	70%, 53%, 76%
CMY	0.2980, 0.4667, 0.2353
CMYK	0.08, 0.30, 0.00, 0.24
HSL	284°, 33%, 65%
HSV	284°, 30%, 76%
XYZ	37.2449, 31.1322, 55.6758
YIQ	155.5830, 6.6890, 27.4650

# Conversions

## Conversions Part 2

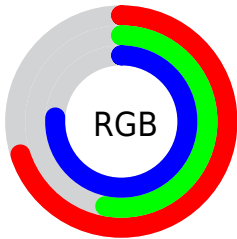
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 136, 195
Decimal	11765955
CIE <sub>Lab</sub>	62.62, 27.01, -24.38
CIE <sub>LCh</sub>	63, 36.387, 317.930
Yxy	31.1322, 0.3002, 0.2510
Android (android.graphics.Color)	4289956035 (0xFFB388C3)
YUV	155.5830, 19.4326, 20.5367
Hunter-Lab	55.7962, 21.5083, -20.1047

# Details

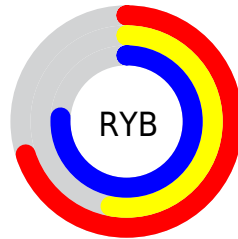
The XYZ color **37.2449, 31.1322, 55.6758** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.9090, 47.4839, 30.5141**, and the grayscale version is **31.3294, 32.9610, 35.8945**.

A 20% lighter version of the original color is **70.2451, 61.5174, 100.2672**, and **16.5930, 12.9386, 26.8222** is the 20% darker color. If you saturate the color by 10%, you get **33.5458, 25.5132, 54.7867**, and if you desaturate by 10%, it is **41.4925, 37.7772, 56.7350**.

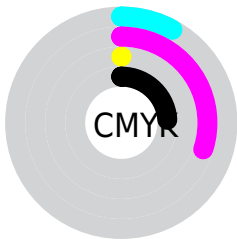
# Distribution



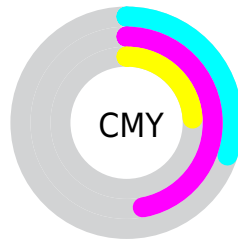
- Red (70%)
- Green (53%)
- Blue (76%)



- Red (70%)
- Yellow (53%)
- Blue (76%)



- Cyan (8%)
- Magenta (30%)
- Yellow (0%)
- Black (24%)



- Cyan (30%)
- Magenta (47%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2449, 31.1322, 55.6758 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 37.2449, 31.1322, 55.6758 by changing the saturation by 10% instead.



37.2449, 31.1322,  
55.6758

37.2449, 31.1322,  
55.6758

325.7067,  
307.1469, 425.8225

25.5717, 20.6995,  
39.5408

70.2607, 61.4481,  
100.0115

16.6345, 12.9046,  
26.8696

92.3340, 82.1002,  
129.0492

10.0679, 7.3629,  
17.2438

118.6047,  
106.9276, 163.2249

5.5066, 3.6900,  
10.2447

149.4381,  
136.3145, 202.9572

2.5853, 1.5017,  
5.4537

185.1997,  
170.6456, 248.6646

0.9384, 0.2899,  
2.4525

226.2548,

0.0000, 0.0000,

210.3050, 300.7656

0.8148

272.9687,  
255.6774, 359.6787

■ 0.0000, 0.0000,  
0.0000

■ 37.2449, 31.1322,  
55.6758

■ 37.2449, 31.1322,  
55.6758

■ 33.5458, 25.5132,  
54.7867

■ 41.4925, 37.7772,  
56.7350

■ 30.3646, 20.8619,  
54.0565

■ 46.3111, 45.4946,  
57.9707

■ 27.6720, 17.1197,  
53.4761

■ 51.7257, 54.3329,  
59.3912

■ 25.4345, 14.2204,  
53.0345

■ 57.7587, 64.3361,  
61.0041

■ 23.6138, 12.0885,  
52.7189

■ 64.4314, 75.5462,  
62.8162

■ 22.1649, 10.6343,  
52.5146

■ 71.7640, 88.0027,  
64.8340

■ 21.0262, 9.7015,  
52.3946

■ 73.9349, 90.0620,  
65.1171

■ 75.5228, 90.8805,  
65.1914

■ 77.1614, 91.7253,  
65.2681

# Harmonies

## Analogous

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



32.6227, 31.1322, 67.0685



37.2449, 31.1322, 55.6758



39.9243, 31.1322, 39.9324

# Triad

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



37.2449, 31.1322, 55.6758



31.6285, 31.1322, 13.5972



21.4163, 31.1322, 43.0152

# Complementary

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



37.2449, 31.1322, 55.6758



36.9090, 47.4839, 30.5141

# 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.



21.2136, 31.1322, 28.5038



37.2449, 31.1322, 55.6758



26.7518, 31.1322, 13.9938

# Square

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



37.2449, 31.1322, 55.6758



36.4474, 31.1322, 17.4032



23.0635, 31.1322, 18.6993



23.6520, 31.1322, 58.4682



# Rectangle

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



37.2449, 31.1322, 55.6758



40.0705, 31.1322, 30.2693



23.0635, 31.1322, 18.6993



21.1180, 31.1322, 37.8050

# Sweetspot

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



37.2459, 31.1335, 55.6765



83.9710, 83.1451, 104.0926



31.3498, 31.8656, 56.1285



18.0901, 17.7244, 22.7177



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.



37.2459, 31.1335, 55.6765



62.4192, 49.2075, 98.6779



39.7767, 32.5981, 48.5698



10.2223, 10.1057, 12.6967



13.7496, 6.3486, 34.0573



0.6571, 0.3068, 1.4745



# Inverse Universe

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



36.9784, 31.4788, 33.8342



62.0381, 50.0226, 52.9593



35.0771, 46.4282, 35.4574



10.1829, 10.1218, 11.0537



15.0740, 7.7194, 3.0358

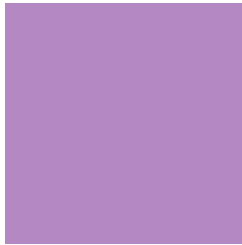


0.6813, 0.3455, 0.2889



# Previews

## White Background



This preview shows how the XYZ color 37.2449, 31.1322, 55.6758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

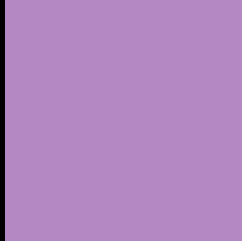
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.2449, 31.1322, 55.6758 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

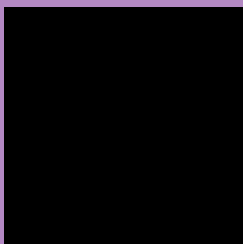
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.2449, 31.1322, 55.6758**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2449, 31.1322, 55.6758.



This preview shows how white text looks on a background with the XYZ color 37.2449, 31.1322,

55.6758.

# 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

37.2449, 31.1322, 55.6758

### Protanopia

32.0791, 31.4547, 62.1382

### Deuteranopia

32.0501, 31.3649, 54.8169



## Tritanopia

33.1232, 31.1973, 35.2862

# Trichromacy



## Original Color

37.2449, 31.1322, 55.6758

## Protanomaly

33.6169, 31.1432, 59.4978

## Deuteranomaly

33.6155, 31.0097, 55.2527

## Tritanomaly

34.4598, 31.0660, 42.2103

# Monochromacy



## Original Color

37.2449, 31.1322, 55.6758

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

33.3130, 32.2897, 42.5070

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2449, 31.1322, 55.6758 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(179, 136, 195)` looks like.

```
.text, #text, p{  
    color:rgb(179, 136, 195)  
}
```

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(179, 136, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 136, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2449, 31.1322, 55.6758 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(179, 136, 195) }
```



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

```
.border{ border-color:rgb(179, 136, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 136, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 136, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 136, 195);  
box-shadow:4px 4px 4px 4px rgb(179, 136,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2449, 31.1322, 55.6758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 136, 195) }
```

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

```
.background{ background-color: rgb(179,  
136, 195) }
```

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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