

Converting Colors

XYZ(38.7125, 31.8251, 63.8999)

Have a look what the booklet for
XYZ(38.7125, 31.8251, 63.8999)
contains.

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Color

**XYZ(38.6909, 31.9104,
63.7946)**

Conversions

Conversions Part 1

Format	Color
Hex	B289D0
RGB	178, 137, 208
RGB Percent	70%, 54%, 82%
CMY	0.3020, 0.4627, 0.1843
CMYK	0.14, 0.34, 0.00, 0.18
HSL	275°, 43%, 68%
HSV	275°, 34%, 82%
XYZ	38.6909, 31.9104, 63.7946
YIQ	157.3530, 1.6450, 30.7730

Conversions

Conversions Part 2

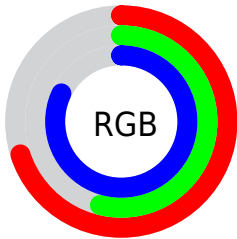
Format	Color
RYB	178, 137, 208
Decimal	11700688
CIELab	63.27, 28.89, -30.68
CIELCh	63, 42.142, 313.270
Yxy	31.9104, 0.2879, 0.2374
Android (android.graphics.Color)	4289890768 (0xFFB289D0)
YUV	157.3530, 24.9690, 18.1074
Hunter-Lab	56.4893, 23.4028, -27.4150

Details

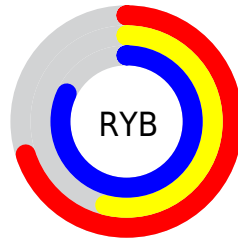
The XYZ color **38.6909, 31.9104, 63.7946** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.0087, 55.1342, 32.0436**, and the grayscale version is **32.0982, 33.7698, 36.7753**.

A 20% lighter version of the original color is **70.9418, 62.1438, 102.8637**, and **17.3897, 13.2406, 31.7761** is the 20% darker color. If you saturate the color by 10%, you get **34.0621, 25.5505, 62.8115**, and if you desaturate by 10%, it is **44.0210, 39.4794, 64.9751**.

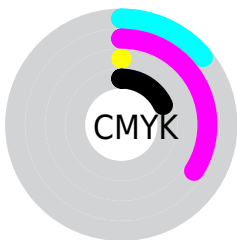
Distribution



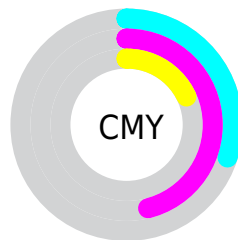
- Red (70%)
- Green (54%)
- Blue (82%)



- Red (70%)
- Yellow (54%)
- Blue (82%)



- Cyan (14%)
- Magenta (34%)
- Yellow (0%)
- Black (18%)





- Cyan (30%)
- Magenta (46%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6909, 31.9104, 63.7946 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 38.6909, 31.9104, 63.7946 by changing the saturation by 10% instead.


 38.6909, 31.9104,
63.7946

 38.6909, 31.9104,
63.7946


331.8044,
310.7109, 456.6346


 26.6990, 21.2931,
46.0392


 72.4630, 62.6706,
111.9117

 17.4827, 13.3384,
31.9279


 94.9739, 83.5823,
143.1105

 10.6767, 7.6620,
21.0421


 121.7218,
108.6941, 179.6275

 5.9155, 3.8794,
12.9632

153.0721,
138.3907, 221.8812

 2.8340, 1.6063,
7.2728

189.3902,
173.0562, 270.2903

 1.0666, 0.3619,
3.5523

231.0413,

 0.0000, 0.0000,

213.0752, 325.2732

1.3831

278.3909,
258.8319, 387.2484

■ 0.0000, 0.0000,
0.1285

■ 0.0000, 0.0000,
0.0000

■ 38.6909, 31.9104,
63.7946

■ 38.6909, 31.9104,
63.7946

■ 34.0621, 25.5505,
62.8115

■ 44.0210, 39.4794,
64.9751

■ 30.0961, 20.3288,
62.0126

■ 50.0818, 48.3153,
66.3612

■ 26.7552, 16.1729,
61.3865

■ 56.9047, 58.4767,
67.9629

■ 23.9964, 13.0001,
60.9195

■ 64.5183, 70.0174,
69.7893

21.7699, 10.7151,
60.5958

72.9495, 82.9884,
71.8485

20.0159, 9.2022,
60.3963

80.0148, 93.0190,
73.4122

19.1465, 8.5552,
60.3172

82.9190, 94.5162,
73.5482

85.9677, 96.0878,
73.6908

88.3853, 97.3341,
73.8040

Harmonies

Analogous

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



32.9796, 31.9104, 76.3544



38.6909, 31.9104, 63.7946



42.3968, 31.9104, 44.8422

Triad

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



38.6909, 31.9104, 63.7946



33.6764, 31.9104, 12.1595



20.6658, 31.9104, 42.6573

Complementary

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



38.6909, 31.9104, 63.7946



43.0087, 55.1342, 32.0436

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.



20.8019, 31.9104, 26.2901



38.6909, 31.9104, 63.7946



27.8260, 31.9104, 11.9118

Square

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



38.6909, 31.9104, 63.7946



39.2571, 31.9104, 17.0428



23.2695, 31.9104, 16.2037



22.8704, 31.9104, 61.7596

Rectangle

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



38.6909, 31.9104, 63.7946



42.9704, 31.9104, 32.9435



23.2695, 31.9104, 16.2037



20.4487, 31.9104, 36.6110

Sweetspot

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



38.6920, 31.9117, 63.7953



83.5943, 82.8091, 106.1856



35.6625, 37.7929, 65.0902



17.5698, 17.2454, 22.6526



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.



38.6920, 31.9117, 63.7953



55.8417, 42.9994, 99.9643



45.7703, 35.6270, 61.1316



11.8081, 11.7499, 14.8893



12.0455, 5.3900, 37.5980



0.7631, 0.3475, 2.1064

Inverse Universe

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



41.9342, 34.0926, 40.9310



62.0264, 47.1399, 57.2385



37.7360, 52.3759, 33.6085



12.0130, 11.8900, 13.3444



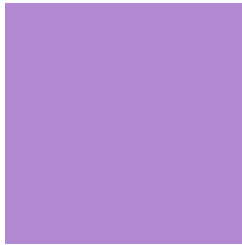
17.3534, 8.8142, 6.7671



1.0096, 0.5085, 0.5851

Previews

White Background



This preview shows how the XYZ color 38.6909, 31.9104, 63.7946 looks on a white background.

Color Contrast Check

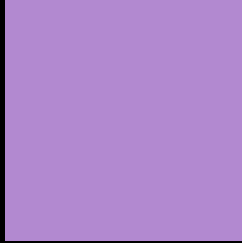
Large Text (above 18pt) WCAG AA × Fail

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 38.6909, 31.9104, 63.7946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

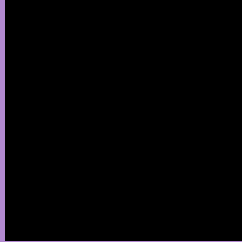
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6909, 31.9104, 63.7946

Background



This preview shows how black text looks on a background with the XYZ color 38.6909, 31.9104, 63.7946.



This preview shows how white text looks on a background with the XYZ color 38.6909, 31.9104,

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

38.6909, 31.9104, 63.7946

Protanopia

33.3685, 32.1532, 71.4653

Deuteranopia

32.7335, 32.0300, 62.2148



Tritanopia

33.1828, 31.8821, 36.7527

Trichromacy



Original Color

38.6909, 31.9104, 63.7946

Protanomaly

34.9391, 31.8536, 68.5969

Deuteranomaly

34.5563, 31.7863, 62.7066

Tritanomaly

34.8925, 31.6637, 45.3470

Monochromacy



Original Color

38.6909, 31.9104, 63.7946

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.2599, 32.9466, 45.6279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6909, 31.9104, 63.7946 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(178, 137, 208)` looks like.

```
.text, #text, p{  
    color:rgb(178, 137, 208)  
}
```

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(178, 137, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 137, 208) }
```

Border

The CSS property to change the border of an element to XYZ 38.6909, 31.9104, 63.7946 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(178, 137, 208) }
```


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

```
.border{ border-color:rgb(178, 137, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 137, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 137, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 137, 208);  
box-shadow:4px 4px 4px 4px rgb(178, 137,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6909, 31.9104, 63.7946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 137, 208) }
```

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

```
.background{ background-color: rgb(178,  
137, 208) }
```

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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