

Converting Colors

XYZ(38.2840, 31.1199, 63.3701)

Have a look what the booklet for
XYZ(38.2840, 31.1199, 63.3701)
contains.

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Color

**XYZ(38.2704, 31.0692,
63.6544)**

Conversions

Conversions Part 1

Format	Color
Hex	B286D0
RGB	178, 134, 208
RGB Percent	70%, 53%, 82%
CMY	0.3020, 0.4745, 0.1843
CMYK	0.14, 0.36, 0.00, 0.18
HSL	276°, 44%, 67%
HSV	276°, 36%, 82%
XYZ	38.2704, 31.0692, 63.6544
YIQ	155.5920, 2.4700, 32.3420

Conversions

Conversions Part 2

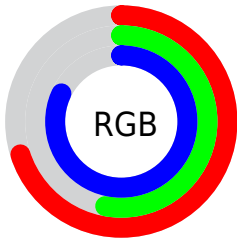
Format	Color
R_{YB}	178, 134, 208
Decimal	11699920
CIE _{Lab}	62.57, 30.57, -31.77
CIE _{LCh}	63, 44.090, 313.892
Yxy	31.0692, 0.2878, 0.2336
Android (android.graphics.Color)	4289890000 (0xFFB286D0)
YUV	155.5920, 25.8371, 19.6518
Hunter-Lab	55.7398, 25.0119, -28.6909

Details

The XYZ color **38.2704, 31.0692, 63.6544** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.1696, 54.7262, 30.8961**, and the grayscale version is **31.3072, 32.9376, 35.8690**.

A 20% lighter version of the original color is **70.2942, 60.8486, 102.6478**, and **17.2323, 12.9256, 31.7236** is the 20% darker color. If you saturate the color by 10%, you get **33.7978, 24.9080, 62.7014**, and if you desaturate by 10%, it is **43.4294, 38.4251, 64.8028**.

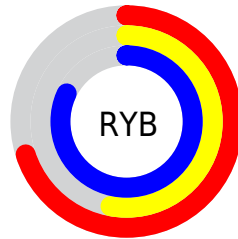
Distribution



Red (70%)

Green (53%)

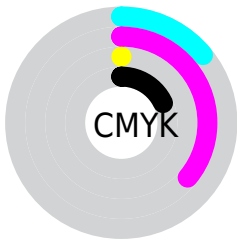
Blue (82%)



Red (70%)

Yellow (53%)

Blue (82%)

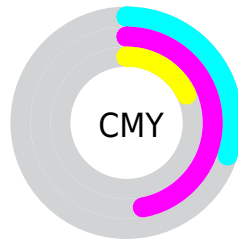


Cyan (14%)

Magenta (36%)

Yellow (0%)

Black (18%)



Cyan (30%)

Magenta (47%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2704, 31.0692, 63.6544 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 38.2704, 31.0692, 63.6544 by changing the saturation by 10% instead.

■ 38.2704, 31.0692,
63.6544

■ 38.2704, 31.0692,
63.6544

330.0393,
306.8570, 456.1137

■ 26.3708, 20.6515,
45.9264

■ 71.8236, 61.3490,
111.7077

■ 17.2354, 12.8695,
31.8395

■ 94.2080, 81.9799,
142.8702

■ 10.4988, 7.3388,
20.9751

■ 120.8179,
106.7841, 179.3479

■ 5.7957, 3.6749,
12.9148

152.0188,
136.1459, 221.5593

■ 2.7607, 1.4934,
7.2398

188.1761,
170.4497, 269.9231

■ 1.0285, 0.2841,
3.5318

229.6550,

■ 0.0000, 0.0000,

210.0798, 324.8577

1.3722

276.8210,
255.4208, 386.7817

■ 0.0000, 0.0000,
0.1199

■ 0.0000, 0.0000,
0.0000

■ 38.2704, 31.0692,
63.6544

■ 38.2704, 31.0692,
63.6544

■ 33.7978, 24.9080,
62.7014

■ 43.4294, 38.4251,
64.8028

■ 29.9731, 19.8698,
61.9305

■ 49.3043, 47.0339,
66.1548

■ 26.7584, 15.8814,
61.3301

■ 55.9266, 56.9549,
67.7208

■ 24.1098, 12.8585,
60.8862

■ 63.3247, 68.2421,
69.5095

21.9771, 10.7037,
60.5827

71.5258, 80.9466,
71.5295

20.2985, 9.2973,
60.3997

79.3297, 92.6658,
73.3802

19.6509, 8.8152,
60.3408

82.0799, 94.0836,
73.5089

84.9625, 95.5696,
73.6438

87.9793, 97.1248,
73.7850

Harmonies

Analogous

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



32.3870, 31.0692, 77.0946



38.2704, 31.0692, 63.6544



42.0554, 31.0692, 43.8466

Triad

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



38.2704, 31.0692, 63.6544



32.8475, 31.0692, 10.9829



19.6891, 31.0692, 42.3958

Complementary

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



38.2704, 31.0692, 63.6544



42.1696, 54.7262, 30.8961

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.



19.7774, 31.0692, 25.4668



38.2704, 31.0692, 63.6544



26.8468, 31.0692, 10.8274

Square

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



38.2704, 31.0692, 63.6544



38.6466, 31.0692, 15.7068



22.2339, 31.0692, 15.1712



21.9738, 31.0692, 62.2872

Rectangle

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



38.2704, 31.0692, 63.6544



42.5973, 31.0692, 31.6362



22.2339, 31.0692, 15.1712



19.4529, 31.0692, 36.1210

Sweetspot

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



38.2715, 31.0705, 63.6551



82.6849, 81.2975, 105.9418



34.6428, 36.4737, 64.8893



17.3941, 16.9470, 22.6043



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.



38.2715, 31.0705, 63.6551



54.9636, 41.3601, 99.6941



45.1793, 34.7176, 60.0943



11.8279, 11.7601, 14.8902



12.3593, 5.5517, 37.6127



0.7796, 0.3561, 2.1072

Inverse Universe

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



41.2392, 33.1415, 39.3463



60.6916, 45.3270, 54.1520



37.1343, 52.0792, 32.9718



12.0045, 11.8865, 13.2996



17.2628, 8.7780, 6.2900



1.0041, 0.5064, 0.5565

Previews

White Background



This preview shows how the XYZ color 38.2704, 31.0692, 63.6544 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 38.2704, 31.0692, 63.6544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

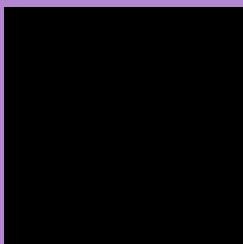
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2704, 31.0692, 63.6544

Background



This preview shows how black text looks on a background with the XYZ color 38.2704, 31.0692, 63.6544.



This preview shows how white text looks on a background with the XYZ color 38.2704, 31.0692,

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

38.2704, 31.0692, 63.6544

Protanopia

32.5678, 31.2514, 72.0258

Deuteranopia

31.9202, 31.1369, 62.0853



Tritanopia

32.7037, 31.1971, 35.7505

Trichromacy



Original Color

38.2704, 31.0692, 63.6544

Protanomaly

34.2220, 31.0154, 69.1486

Deuteranomaly

33.8763, 30.9821, 62.5872

Tritanomaly

34.4963, 31.0291, 44.7285

Monochromacy



Original Color

38.2704, 31.0692, 63.6544

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.6376, 32.1675, 44.9935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2704, 31.0692, 63.6544 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, 134, 208)` looks like.

```
.text, #text, p{  
    color:rgb(178, 134, 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, 134, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 134, 208) }
```

Border

The CSS property to change the border of an element to XYZ 38.2704, 31.0692, 63.6544 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, 134, 208) }
```


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

```
.border{ border-color:rgb(178, 134, 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, 134, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 134, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 134, 208);  
box-shadow:4px 4px 4px 4px rgb(178, 134,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2704, 31.0692, 63.6544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 134, 208) }
```

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

```
.background{ background-color: rgb(178,  
134, 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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