

Converting Colors

XYZ(38.7732, 31.1302, 35.6458)

Have a look what the booklet for
XYZ(38.7732, 31.1302, 35.6458)
contains.

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Color

**XYZ(38.6970, 31.0961,
35.8609)**

Conversions

Conversions Part 1

Format	Color
Hex	CB829D
RGB	203, 130, 157
RGB Percent	80%, 51%, 62%
CMY	0.2039, 0.4902, 0.3843
CMYK	0.00, 0.36, 0.23, 0.20
HSL	338°, 41%, 65%
HSV	338°, 36%, 80%
XYZ	38.6970, 31.0961, 35.8609
YIQ	154.9050, 34.8410, 23.8730

Conversions

Conversions Part 2

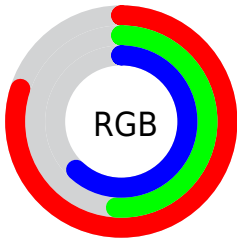
Format	Color
R _{YB}	203, 130, 157
Decimal	13337245
CIE Lab	62.59, 31.84, -2.62
CIE LCh	63, 31.944, 355.295
Yxy	31.0961, 0.3663, 0.2943
Android (android.graphics.Color)	4291527325 (0xFFC8B829D)
YUV	154.9050, 1.0328, 42.1793
Hunter-Lab	55.7639, 26.2822, 0.9062

Details

The XYZ color **38.6970, 31.0961, 35.8609** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **38.3997, 50.5930, 48.8182**, and the grayscale version is **31.0993, 32.7189, 35.6309**.

A 20% lighter version of the original color is **70.1384, 60.2441, 69.5596**, and **17.4301, 12.8356, 15.1945** is the 20% darker color. If you saturate the color by 10%, you get **35.2228, 25.8049, 29.5935**, and if you desaturate by 10%, it is **42.8200, 37.5013, 42.9094**.

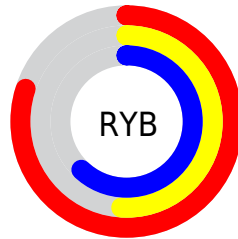
Distribution



Red (80%)

Green (51%)

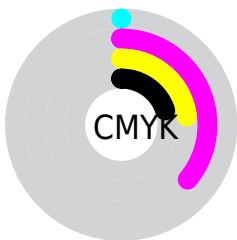
Blue (62%)



Red (80%)

Yellow (51%)

Blue (62%)

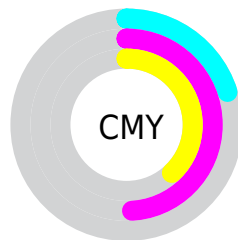


Cyan (0%)

Magenta (36%)

Yellow (23%)

Black (20%)



Cyan (20%)


Magenta (49%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6970, 31.0961, 35.8609 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 38.6970, 31.0961, 35.8609 by changing the saturation by 10% instead.


 38.6970, 31.0961,
35.8609


 38.6970, 31.0961,
35.8609


331.8299,
306.9808, 343.3712


 26.7038, 20.6720,
24.0379


 72.4722, 61.3913,
69.9839

 17.4863, 12.8845,
15.1493


 94.9850, 82.0313,
93.1211

 10.6793, 7.3490,
8.7765


 121.7349,
106.8454, 120.8668

 5.9173, 3.6813,
4.5008

153.0874,
136.2179, 153.6394

 2.8350, 1.4970,
1.9039

189.4077,
170.5333, 191.8577

 1.0671, 0.2866,
0.4952

231.0614,

 0.0000, 0.0000,

210.1760, 235.9400

0.0000

278.4137,
255.5304, 286.3050

■ 38.6970, 31.0961,
35.8609

■ 38.6970, 31.0961,
35.8609

■ 35.2228, 25.8049,
29.5935

■ 42.8200, 37.5013,
42.9094

■ 32.3598, 21.5589,
24.0766

■ 47.6213, 45.0752,
50.7646

■ 30.0705, 18.2886,
19.2796

■ 53.1320, 53.8742,
59.4528

■ 28.3116, 15.9140,
15.1691

■ 59.3802, 63.9497,
68.9987

■ 27.0335, 14.3422,
11.7084

■ 66.3925, 75.3502,
79.4258

■ 26.1748, 13.4575,
8.8551

■ 74.1942, 88.1217,
90.7569

■ 25.9012, 13.2056,
7.8539

■ 77.1075, 90.9041,
101.1130

■ 78.4387, 91.4365,
108.1226

Harmonies

Analogous

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



36.9765, 31.0961, 49.4045



38.6970, 31.0961, 35.8609



37.7786, 31.0961, 24.6225

Triad

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



38.6970, 31.0961, 35.8609



26.1252, 31.0961, 16.4946



25.0463, 31.0961, 57.6068

Complementary

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



38.6970, 31.0961, 35.8609



38.3997, 50.5930, 48.8182

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.



22.6223, 31.0961, 45.1556



38.6970, 31.0961, 35.8609



23.2011, 31.0961, 21.9724

Square

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



38.6970, 31.0961, 35.8609



30.2471, 31.0961, 15.1607



21.9812, 31.0961, 31.9318



28.8753, 31.0961, 63.7712

Rectangle

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



38.6970, 31.0961, 35.8609



35.8367, 31.0961, 19.5311



21.9812, 31.0961, 31.9318



24.0555, 31.0961, 53.8893

Sweetspot

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



38.6979, 31.0976, 35.8615



84.0288, 82.3042, 91.8264



36.4463, 29.3946, 60.2529



17.7174, 17.1887, 19.2305



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.



38.6979, 31.0976, 35.8615



60.2714, 45.1589, 51.9395



37.8217, 32.6353, 25.4268



11.3810, 11.2811, 12.5410



16.5239, 8.4202, 5.2116



0.8888, 0.4489, 0.4605

Inverse Universe

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



38.6979, 31.0976, 35.8615



60.2714, 45.1589, 51.9395



39.3860, 47.8575, 63.6616



11.3810, 11.2811, 12.5410



16.5239, 8.4202, 5.2116



0.8888, 0.4489, 0.4605

Previews

White Background



This preview shows how the XYZ color 38.6970, 31.0961, 35.8609 looks on a white background.

Color Contrast Check

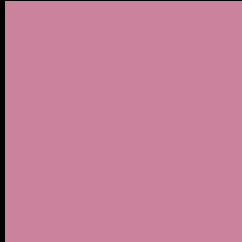
Large Text (above 18pt) WCAG AA × Fail

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 38.6970, 31.0961, 35.8609 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 38.6970, 31.0961, 35.8609

Background



This preview shows how black text looks on a background with the XYZ color 38.6970, 31.0961, 35.8609.



This preview shows how white text looks on a background with the XYZ color 38.6970, 31.0961,

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

38.6970, 31.0961, 35.8609

Protanopia

30.7167, 31.4251, 42.4769

Deuteranopia

31.7835, 31.1999, 34.9189



Tritanopia

37.4328, 31.1757, 30.0312

Trichromacy



Original Color

38.6970, 31.0961, 35.8609

Protanomaly

32.9762, 30.7966, 39.8036

Deuteranomaly

34.0317, 31.0000, 35.2003

Tritanomaly

37.9537, 31.1972, 32.0383

Monochromacy



Original Color

38.6970, 31.0961, 35.8609

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.2929, 31.7287, 35.8220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6970, 31.0961, 35.8609 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(203, 130, 157)` looks like.

```
.text, #text, p{  
    color:rgb(203, 130, 157)  
}
```

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(203, 130, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 130, 157) }
```

Border

The CSS property to change the border of an element to XYZ 38.6970, 31.0961, 35.8609 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(203, 130, 157) }
```


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

```
.border{ border-color:rgb(203, 130, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 130, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 130, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 130, 157);  
box-shadow:4px 4px 4px 4px rgb(203, 130,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6970, 31.0961, 35.8609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 130, 157) }
```

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

```
.background{ background-color: rgb(203,  
130, 157) }
```

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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