

Converting Colors

XYZ(38.0231, 30.1624, 36.2159)

Have a look what the booklet for
XYZ(38.0231, 30.1624, 36.2159)
contains.

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Color

**XYZ(38.1180, 30.2039,
36.1687)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7F9E
RGB	202, 127, 158
RGB Percent	79%, 50%, 62%
CMY	0.2078, 0.5019, 0.3804
CMYK	0.00, 0.37, 0.22, 0.21
HSL	335°, 41%, 65%
HSV	335°, 37%, 79%
XYZ	38.1180, 30.2039, 36.1687
YIQ	152.9590, 34.7490, 25.5410

Conversions

Conversions Part 2

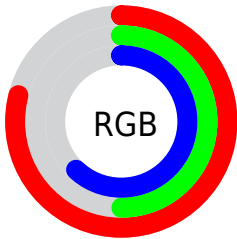
Format	Color
R _Y B	202, 127, 158
Decimal	13270942
CIE Lab	61.83, 33.25, -4.32
CIE LCh	62, 33.530, 352.593
Yxy	30.2039, 0.3648, 0.2891
Android (android.graphics.Color)	4291461022 (0xFFCA7F9E)
YUV	152.9590, 2.4852, 43.0090
Hunter-Lab	54.9581, 27.6280, -0.5489

Details

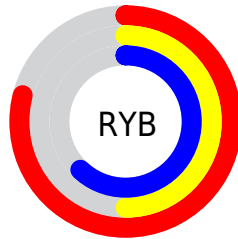
The XYZ color **38.1180, 30.2039, 36.1687** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **37.2249, 49.6940, 46.1603**, and the grayscale version is **30.2401, 31.8150, 34.6465**.

A 20% lighter version of the original color is **69.7741, 59.1118, 70.6830**, and **17.0923, 12.3414, 15.3912** is the 20% darker color. If you saturate the color by 10%, you get **34.7945, 25.1114, 30.2683**, and if you desaturate by 10%, it is **42.0646, 36.3846, 42.7628**.

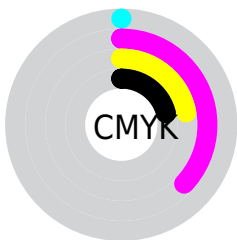
Distribution



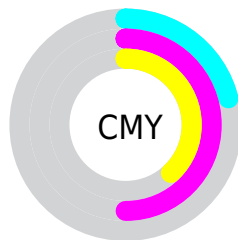
- Red (79%)
- Green (50%)
- Blue (62%)



- Red (79%)
- Yellow (50%)
- Blue (62%)



- Cyan (0%)
- Magenta (37%)
- Yellow (22%)
- Black (21%)





- Cyan (21%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1180, 30.2039, 36.1687 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 38.1180, 30.2039, 36.1687 by changing the saturation by 10% instead.


 38.1180, 30.2039,
36.1687


 38.1180, 30.2039,
36.1687


329.3980,
302.8537, 344.7570


 26.2519, 19.9934,
24.2738


 71.5917, 59.9845,
70.4643

 17.1459, 12.3903,
15.3228


 93.9300, 80.3234,
93.7022

 10.4345, 7.0100,
8.8971


 120.4898,
104.8072, 121.5580

 5.7524, 3.4684,
4.5782

151.6364,
133.8203, 154.4505

 2.7344, 1.3809,
1.9476

187.7352,
167.7471, 192.7981

 1.0149, 0.2026,
0.5228

229.1514,

 0.0000, 0.0000,

206.9720, 237.0193

0.0000

276.2506,
251.8794, 287.5328

■ 38.1180, 30.2039,
36.1687

■ 38.1180, 30.2039,
36.1687

■ 34.7945, 25.1114,
30.2683

■ 42.0646, 36.3846,
42.7628

■ 32.0574, 21.0388,
25.0348

■ 46.6631, 43.7079,
50.0725

■ 29.8698, 17.9168,
20.4419


■ 51.9438, 52.2297,
58.1208

■ 28.1892, 15.6655,
16.4605


■ 57.9341, 62.0009,
66.9288


■ 26.9666, 14.1916,
13.0584

■ 64.6599, 73.0695,
76.5171


 26.1361, 13.3690,
10.1969

 72.1458, 85.4809,
86.9052

 25.9374, 13.1887,
9.4613

 75.9884, 90.4251,
96.6364

 77.8167, 91.1564,
106.2644

 78.1672, 91.2966,
108.1099

Harmonies

Analogous

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



36.1027, 30.2039, 50.2510



38.1180, 30.2039, 36.1687



37.4112, 30.2039, 24.2961

Triad

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



38.1180, 30.2039, 36.1687



25.5263, 30.2039, 14.9733



23.7898, 30.2039, 56.6132

Complementary

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



38.1180, 30.2039, 36.1687



37.2249, 49.6940, 46.1603

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.



21.4714, 30.2039, 43.2960



38.1180, 30.2039, 36.1687



22.3988, 30.2039, 20.0692

Square

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



38.1180, 30.2039, 36.1687



29.8320, 30.2039, 13.9974



20.9899, 30.2039, 29.8099



27.6124, 30.2039, 63.8915

Rectangle

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



38.1180, 30.2039, 36.1687



35.5227, 30.2039, 18.8650



20.9899, 30.2039, 29.8099



22.8257, 30.2039, 52.5517

Sweetspot

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



38.1189, 30.2053, 36.1693



84.2080, 82.3758, 92.7698



34.9914, 28.0745, 59.4519



17.7600, 17.2057, 19.4547



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.



38.1189, 30.2053, 36.1693



59.6969, 43.7062, 52.6842



36.6107, 30.9339, 24.1217



11.4014, 11.2893, 12.6483



16.7324, 8.5035, 6.3095



0.9007, 0.4537, 0.5229

Inverse Universe

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



38.1189, 30.2053, 36.1693



59.6969, 43.7062, 52.6842



39.0976, 48.1442, 63.1094



11.4014, 11.2893, 12.6483



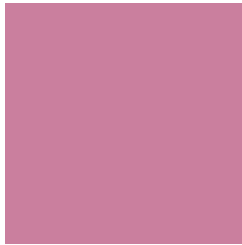
16.7324, 8.5035, 6.3095



0.9007, 0.4537, 0.5229

Previews

White Background



This preview shows how the XYZ color 38.1180, 30.2039, 36.1687 looks on a white background.

Color Contrast Check

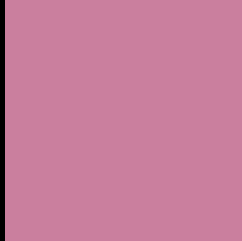
Large Text (above 18pt) WCAG AA × Fail

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 38.1180, 30.2039, 36.1687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

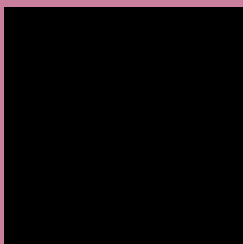
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1180, 30.2039, 36.1687

Background



This preview shows how black text looks on a background with the XYZ color 38.1180, 30.2039, 36.1687.



This preview shows how white text looks on a background with the XYZ color 38.1180, 30.2039,

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

38.1180, 30.2039, 36.1687

Protanopia

29.9522, 30.5462, 42.8454

Deuteranopia

30.9421, 30.2987, 35.2278



Tritanopia

36.5357, 30.1381, 28.7025

Trichromacy



Original Color

38.1180, 30.2039, 36.1687

Protanomaly

32.1337, 29.9099, 40.1560

Deuteranomaly

33.2207, 29.9244, 35.4775

Tritanomaly

37.2041, 30.2246, 31.4768

Monochromacy



Original Color

38.1180, 30.2039, 36.1687

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.6842, 30.9710, 35.2657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1180, 30.2039, 36.1687 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(202, 127, 158)` looks like.

```
.text, #text, p{  
    color:rgb(202, 127, 158)  
}
```

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(202, 127, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 127, 158) }
```

Border

The CSS property to change the border of an element to XYZ 38.1180, 30.2039, 36.1687 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(202, 127, 158) }
```


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

```
.border{ border-color:rgb(202, 127, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 127, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 127, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 127, 158);  
box-shadow:4px 4px 4px 4px rgb(202, 127,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1180, 30.2039, 36.1687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 127, 158) }
```

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

```
.background{ background-color: rgb(202,  
127, 158) }
```

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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