

Converting Colors

XYZ(38.4031, 30.0626, 58.0577)

Have a look what the booklet for
XYZ(38.4031, 30.0626, 58.0577)
contains.

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Color

**XYZ(38.2777, 30.0010,
57.8061)**

Conversions

Conversions Part 1

Format	Color
Hex	BA80C7
RGB	186, 128, 199
RGB Percent	73%, 50%, 78%
CMY	0.2706, 0.4980, 0.2196
CMYK	0.07, 0.36, 0.00, 0.22
HSL	289°, 39%, 64%
HSV	289°, 36%, 78%
XYZ	38.2777, 30.0010, 57.8061
YIQ	153.4360, 11.7770, 34.3770

Conversions

Conversions Part 2

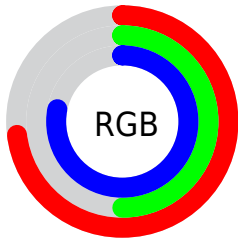
Format	Color
R_{YB}	186, 128, 199
Decimal	12222663
CIE _{Lab}	61.66, 34.52, -28.06
CIE _{LCh}	62, 44.482, 320.894
Yxy	30.0010, 0.3036, 0.2379
Android (android.graphics.Color)	4290412743 (0xFFBA80C7)
YUV	153.4360, 22.4631, 28.5586
Hunter-Lab	54.7732, 28.8900, -24.2318

Details

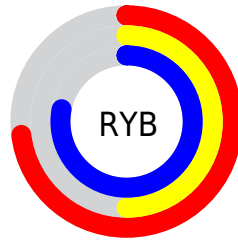
The XYZ color **38.2777, 30.0010, 57.8061** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.3052, 48.0688, 27.8409**, and the grayscale version is **30.3706, 31.9523, 34.7960**.

A 20% lighter version of the original color is **71.7401, 59.7306, 102.3558**, and **17.2804, 12.2576, 28.2432** is the 20% darker color. If you saturate the color by 10%, you get **35.0585, 24.8594, 56.9838**, and if you desaturate by 10%, it is **42.0305, 36.1748, 58.8004**.

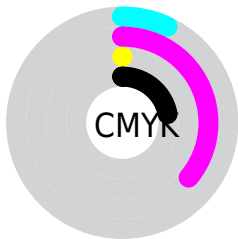
Distribution



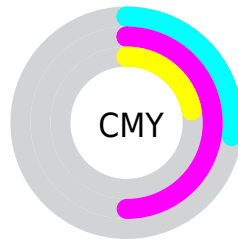
- Red (73%)
- Green (50%)
- Blue (78%)



- Red (73%)
- Yellow (50%)
- Blue (78%)



- Cyan (7%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)





- Cyan (27%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2777, 30.0010, 57.8061 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 38.2777, 30.0010, 57.8061 by changing the saturation by 10% instead.


 38.2777, 30.0010,
57.8061


 38.2777, 30.0010,
57.8061

330.0700,
301.9091, 434.0411


 26.3765, 19.8393,
41.2391

 71.8347, 59.6638,
103.1524

 17.2397, 12.2783,
28.1849


 94.2213, 79.9337,
132.7689

 10.5019, 6.9335,
18.2248


 120.8336,
104.3418, 167.5722

 5.7978, 3.4206,
10.9404

152.0371,
133.2725, 207.9809

 2.7620, 1.3550,
5.9131

188.1972,
167.1101, 254.4137

 1.0292, 0.1832,
2.7244

229.6791,

 0.0000, 0.0000,

206.2392, 307.2889

0.9557

276.8483,
251.0441, 367.0252

■ 0.0000, 0.0000,
0.0000

■ 38.2777, 30.0010,
57.8061

■ 38.2777, 30.0010,
57.8061

■ 35.0585, 24.8594,
56.9838

■ 42.0305, 36.1748,
58.8004

■ 32.3399, 20.6863,
56.3216

■ 46.3414, 43.4321,
59.9740

■ 30.0896, 17.4168,
55.8091

■ 51.2373, 51.8250,
61.3360

■ 28.2703, 14.9766,
55.4340

■ 56.7420, 61.4015,
62.8943

■ 26.8386, 13.2793,
55.1818

■ 62.8782, 72.2065,
64.6565

■ 25.7411, 12.2178,
55.0348

■ 69.6674, 84.2829,
66.6296

■ 25.3242, 11.8642,
54.9885

■ 73.0783, 89.5674,
67.4698

■ 74.1374, 90.1134,
67.5194

■ 75.2203, 90.6717,
67.5701

Harmonies

Analogous

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



32.7647, 30.0010, 73.5008



38.2777, 30.0010, 57.8061



41.2775, 30.0010, 38.0941

Triad

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



38.2777, 30.0010, 57.8061



30.3522, 30.0010, 9.9109



19.1583, 30.0010, 45.7079

Complementary

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



38.2777, 30.0010, 57.8061



35.3052, 48.0688, 27.8409

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.



18.6985, 30.0010, 27.7797



38.2777, 30.0010, 57.8061



24.6497, 30.0010, 10.7131

Square

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



38.2777, 30.0010, 57.8061



36.3035, 30.0010, 13.3551



20.5718, 30.0010, 16.1328



21.9287, 30.0010, 65.0037

Rectangle

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



38.2777, 30.0010, 57.8061



41.1987, 30.0010, 26.8908



20.5718, 30.0010, 16.1328



18.7450, 30.0010, 39.2139

Sweetspot

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



38.2787, 30.0023, 57.8067



84.8811, 82.4297, 106.0446



28.7394, 27.7688, 57.8784



17.9193, 17.2177, 22.6289



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.



38.2787, 30.0023, 57.8067



62.4648, 45.2271, 100.0452



39.1610, 30.7368, 45.2125



10.8853, 10.7147, 13.4119



16.3521, 7.6641, 35.3618



0.8252, 0.3891, 1.6768

Inverse Universe

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



36.0810, 29.5048, 28.9939



58.2494, 44.3501, 41.2914



34.8706, 47.6544, 36.4203



10.7119, 10.6681, 11.4660



15.3781, 7.9008, 1.9348



0.7529, 0.3840, 0.2221

Previews

White Background



This preview shows how the XYZ color 38.2777, 30.0010, 57.8061 looks on a white background.

Color Contrast Check

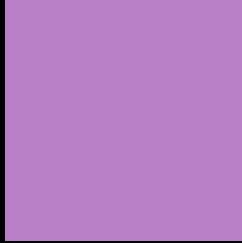
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2777, 30.0010, 57.8061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

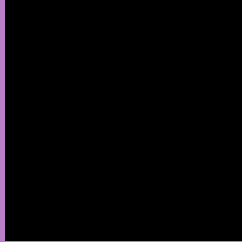
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2777, 30.0010, 57.8061

Background



This preview shows how black text looks on a background with the XYZ color 38.2777, 30.0010, 57.8061.



This preview shows how white text looks on a background with the XYZ color 38.2777, 30.0010,

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

38.2777, 30.0010, 57.8061

Protanopia

31.4734, 30.3117, 67.8102

Deuteranopia

30.9315, 30.2965, 55.8473



Tritanopia

33.1037, 29.9306, 32.4662

Trichromacy



Original Color

38.2777, 30.0010, 57.8061

Protanomaly

33.2811, 29.7492, 64.3097

Deuteranomaly

33.0522, 29.8096, 56.2363

Tritanomaly

34.7916, 29.7853, 40.4746

Monochromacy



Original Color

38.2777, 30.0010, 57.8061

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.7460, 30.8481, 42.2586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2777, 30.0010, 57.8061 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(186, 128, 199)` looks like.

```
.text, #text, p{  
    color:rgb(186, 128, 199)  
}
```

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(186, 128, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 128, 199) }
```

Border

The CSS property to change the border of an element to XYZ 38.2777, 30.0010, 57.8061 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(186, 128, 199) }
```


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

```
.border{ border-color:rgb(186, 128, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 128, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 128, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 128, 199);  
box-shadow:4px 4px 4px 4px rgb(186, 128,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2777, 30.0010, 57.8061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 128, 199) }
```

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

```
.background{ background-color: rgb(186,  
128, 199) }
```

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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