

Converting Colors

XYZ(33.4042, 40.2530, 6.0090)

Have a look what the booklet for
XYZ(33.4042, 40.2530, 6.0090)
contains.

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Color

**XYZ(33.4298, 40.2808,
6.0130)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | B0B000 |
| RGB | 176, 176, 0 |
| RGB Percent | 69%, 69%, 0% |
| CMY | 0.3098, 0.3098, 0.9999 |
| CMYK | 0.00, 0.00, 1.00, 0.31 |
| HSL | 60°, 100%, 35% |
| HSV | 60°, 100%, 69% |
| XYZ | 33.4298, 40.2808, 6.0130 |
| YIQ | 155.9360, 56.4960, -54.7360 |

Conversions

Conversions Part 2

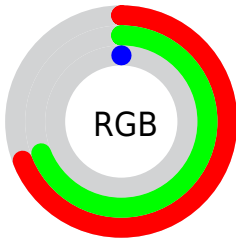
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 176, 0 |
| Decimal | 11579392 |
| CIELab | 69.67, -16.32, 71.54 |
| CIELCh | 70, 73.381, 102.852 |
| Yxy | 40.2808, 0.4193, 0.5053 |
| Android (android.graphics.Color) | 4289769472 (0xFFB0B000) |
| YUV | 155.9360, -76.8764, 17.5961 |
| Hunter-Lab | 63.4672, -17.0469, 38.8098 |

Details

The XYZ color **33.4298, 40.2808, 6.0130** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **7.8374, 3.1353, 41.2690**, and the grayscale version is **31.8878, 33.5484, 36.5342**.

A 20% lighter version of the original color is **64.2120, 75.3641, 18.3701**, and **14.8154, 18.3372, 2.7586** is the 20% darker color. If you saturate the color by 10%, you get **33.4306, 40.2827, 6.0133**, and if you desaturate by 10%, it is **33.5368, 40.3251, 6.5719**.

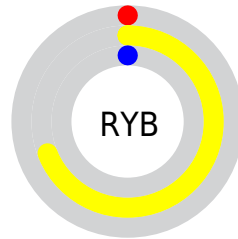
Distribution



Red (69%)

Green (69%)

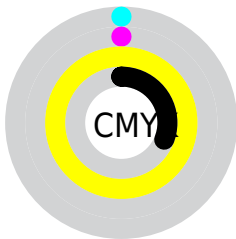
Blue (0%)



Red (0%)

Yellow (69%)

Blue (0%)

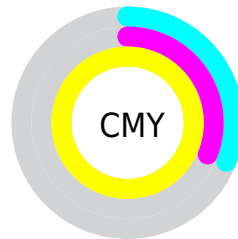


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4298, 40.2808, 6.0130 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 33.4298, 40.2808, 6.0130 by changing the saturation by 10% instead.

■ 33.4298, 40.2808,
6.0130

■ 33.4298, 40.2808,
6.0130

309.2129,
347.3057, 168.4973

■ 22.6167, 27.7575,
2.7841

■ 64.3962, 75.5909,
18.4360

■ 14.4299, 18.1430,
0.9855

■ 85.2802, 99.1466,
28.4672

■ 8.5040, 11.0527,
0.0000

■ 110.2518,
127.1485, 41.6028

■ 4.4736, 6.1023,
0.0000

■ 139.6766,
159.9810, 58.2615

■ 1.9734, 2.9074,
0.0000

■ 173.9197,
198.0286, 78.8617

■ 0.6189, 1.0836,
0.0000

■ 213.3465,

■ 0.0000, 0.0000,

241.6757, 103.8221

0.0000

258.3225,
291.3066, 133.5611

■ 33.4298, 40.2808,
6.0130

■ 33.4298, 40.2808,
6.0130

■ 33.4306, 40.2827,
6.0133

■ 33.5368, 40.3251,
6.5719

■ 33.7375, 40.4054,
7.6280

■ 34.0694, 40.5382,
9.3753

■ 34.5499, 40.7304,
11.9046

■ 35.1935, 40.9879,
15.2932

■ 36.0132, 41.3158,
19.6088

■ 37.0205, 41.7187,
24.9125

■ 38.2261, 42.2009,
31.2602

■ 39.6397, 42.7664,
38.7036

Harmonies

Analogous

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



45.4174, 40.2808, 6.3565



33.4298, 40.2808, 6.0130



24.7659, 40.2808, 11.2716

Triad

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



33.4298, 40.2808, 6.0130



23.8720, 40.2808, 105.0299



64.4995, 40.2808, 66.0932

Complementary

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



33.4298, 40.2808, 6.0130



7.8374, 3.1353, 41.2690

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.



56.0015, 40.2808, 111.3547



33.4298, 40.2808, 6.0130



31.9426, 40.2808, 140.6664

Square

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



33.4298, 40.2808, 6.0130



20.0657, 40.2808, 60.0651



43.5904, 40.2808, 143.4426



65.1285, 40.2808, 30.8664

Rectangle

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



33.4298, 40.2808, 6.0130



21.3552, 40.2808, 20.2825



43.5904, 40.2808, 143.4426



62.3991, 40.2808, 80.9584

Sweetspot

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



33.4307, 40.2827, 6.0138



67.0322, 75.6166, 44.6191



17.9059, 9.2311, 0.8385



14.3567, 16.3192, 8.7733



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.4307, 40.2827, 6.0138



60.6283, 73.0548, 10.9055



19.5519, 33.1279, 5.3643



9.1971, 9.9067, 9.0800



24.5271, 29.5543, 4.4118



0.7717, 0.9299, 0.1388

Inverse Universe

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



7.8374, 3.1353, 41.2690



14.2129, 5.6852, 74.8435



11.8627, 5.2104, 41.4574



8.0420, 8.2302, 10.6711



5.7498, 2.2999, 30.2779



0.1809, 0.0724, 0.9527

Previews

White Background



This preview shows how the XYZ color 33.4298, 40.2808, 6.0130 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 33.4298, 40.2808, 6.0130 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 33.4298, 40.2808, 6.0130

Background



This preview shows how black text looks on a background with the XYZ color 33.4298, 40.2808, 6.0130.



This preview shows how white text looks on a background with the XYZ color 33.4298, 40.2808,

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

33.4298, 40.2808, 6.0130

Protanopia

36.3011, 40.3323, 5.8716

Deuteranopia

40.9670, 40.0159, 6.6016



Tritanopia

41.8510, 40.3769, 46.6620

Trichromacy



Original Color

33.4298, 40.2808, 6.0130

Protanomaly

35.1933, 40.3262, 5.9289

Deuteranomaly

37.8248, 39.7304, 6.2055

Tritanomaly

36.6944, 39.3655, 20.9935

Monochromacy



Original Color

33.4298, 40.2808, 6.0130

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.4536, 34.8818, 16.9322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4298, 40.2808, 6.0130 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(176, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 176, 0)  
}
```

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(176, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.4298, 40.2808, 6.0130 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(176, 176, 0) }
```


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

```
.border{ border-color:rgb(176, 176, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 176,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4298, 40.2808, 6.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 176, 0) }
```

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

```
.background{ background-color: rgb(176,  
176, 0) }
```

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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