

Converting Colors

XYZ(33.1589, 18.2510, 54.0915)

Have a look what the booklet for
XYZ(33.1589, 18.2510, 54.0915)
contains.

XYZ(33.2660, 18.3199, 54.0073)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2660, 18.3199,
54.0073)**

Conversions

Conversions Part 1

Format	Color
Hex	C03BC4
RGB	192, 59, 196
RGB Percent	75%, 23%, 77%
CMY	0.2471, 0.7686, 0.2314
CMYK	0.02, 0.70, 0.00, 0.23
HSL	298°, 54%, 50%
HSV	298°, 70%, 77%
XYZ	33.2660, 18.3199, 54.0073
YIQ	114.3850, 35.2910, 70.8030

Conversions

Conversions Part 2

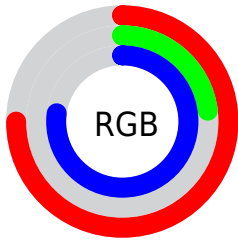
Format	Color
RYB	192, 59, 196
Decimal	12598212
CIELab	49.88, 68.39, -44.73
CIELCh	50, 81.717, 326.815
Yxy	18.3199, 0.3150, 0.1735
Android (android.graphics.Color)	4290788292 (0xFFC03BC4)
YUV	114.3850, 40.2362, 68.0684
Hunter-Lab	42.8018, 63.8291, -44.8510

Details

The XYZ color **33.2660, 18.3199, 54.0073** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **22.5798, 40.8528, 10.8338**, and the grayscale version is **15.9862, 16.8187, 18.3156**.

A 20% lighter version of the original color is **63.9917, 40.5579, 97.3842**, and **14.8742, 7.1039, 26.1784** is the 20% darker color. If you saturate the color by 10%, you get **32.2968, 16.5955, 53.7258**, and if you desaturate by 10%, it is **34.6152, 20.8023, 54.4156**.

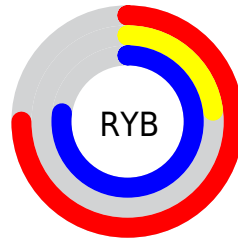
Distribution



Red (75%)

Green (23%)

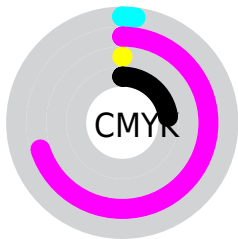
Blue (77%)



Red (75%)

Yellow (23%)

Blue (77%)

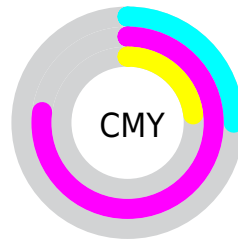


Cyan (2%)

Magenta (70%)

Yellow (0%)

Black (23%)



Cyan (25%)

Magenta (77%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2660, 18.3199, 54.0073 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 33.2660, 18.3199, 54.0073 by changing the saturation by 10% instead.

■ 33.2660, 18.3199,
54.0073

■ 33.2660, 18.3199,
54.0073

308.4905,
242.6680, 419.3133

■ 22.4905, 11.1799,
38.2143

■ 64.1425, 40.5817,
97.5415

■ 14.3364, 6.1880,
25.8459

■ 84.9742, 56.4722,
126.1197

■ 8.4383, 2.9597,
16.4837

■ 109.8887, 76.0485,
159.7968

■ 4.4308, 1.1107,
9.7090

■ 139.2514, 99.6947,
198.9912

■ 1.9486, 0.0000,
5.1034

■ 173.4275,
127.7954, 244.1215

■ 0.6049, 0.0000,
2.2482

212.7825,

■ 0.0000, 0.0000,

160.7349, 295.6063

0.7020

257.6817,
198.8977, 353.8640

■ 0.0000, 0.0000,
0.0000

■ 33.2660, 18.3199,
54.0073

■ 33.2660, 18.3199,
54.0073

■ 32.2968, 16.5955,
53.7258

■ 34.6152, 20.8023,
54.4156

■ 31.6605, 15.5369,
53.5550

■ 36.3803, 24.1161,
54.9622

■ 31.2726, 14.9739,
53.4668

■ 38.5952, 28.3288,
55.6586

■ 31.2688, 14.9687,
53.4660

■ 41.2900, 33.5003,
56.5147

■ 44.4919, 39.6853,
57.5398

■ 48.2263, 46.9345,
58.7422

■ 52.5169, 55.2951,
60.1298

■ 57.3858, 64.8115,
61.7101

■ 62.8540, 75.5257,
63.4899

Harmonies

Analogous

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



25.1120, 18.3199, 88.3168



33.2660, 18.3199, 54.0073



37.1468, 18.3199, 22.4361

Triad

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



33.2660, 18.3199, 54.0073



18.2611, 18.3199, 0.3085



7.1473, 18.3199, 46.3524

Complementary

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



33.2660, 18.3199, 54.0073



22.5798, 40.8528, 10.8338

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.



6.3030, 18.3199, 17.6497



33.2660, 18.3199, 54.0073



11.4736, 18.3199, 0.9140

Square

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



33.2660, 18.3199, 54.0073



27.0042, 18.3199, 1.2568



7.6186, 18.3199, 4.4443



10.4127, 18.3199, 82.0231

Rectangle

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



33.2660, 18.3199, 54.0073



36.1296, 18.3199, 9.9054



7.6186, 18.3199, 4.4443



6.6229, 18.3199, 35.1727

Sweetspot

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



33.2667, 18.3207, 54.0077



79.7090, 70.1681, 103.9504



13.5772, 8.5343, 53.1565



16.7006, 14.3219, 22.1341



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.



33.2667, 18.3207, 54.0077



57.8130, 28.8854, 97.1361



28.4989, 16.5322, 23.5437



10.4673, 10.2321, 12.7081



20.1049, 9.6249, 34.3548



0.8780, 0.4207, 1.4848

Inverse Universe

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



25.2266, 15.2233, 6.3121



42.5402, 23.0377, 4.8995



25.1152, 41.8385, 25.4700



10.0848, 10.0825, 10.5374



14.6532, 7.5510, 0.8198



0.6373, 0.3279, 0.0575

Previews

White Background



This preview shows how the XYZ color 33.2660, 18.3199, 54.0073 looks on a white background.

Color Contrast Check

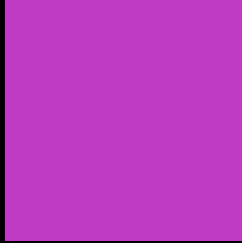
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.2660, 18.3199, 54.0073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

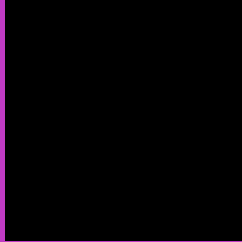
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2660, 18.3199, 54.0073

Background



This preview shows how black text looks on a background with the XYZ color 33.2660, 18.3199, 54.0073.



This preview shows how white text looks on a background with the XYZ color 33.2660, 18.3199,

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

33.2660, 18.3199, 54.0073

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

19.0270, 18.5778, 49.0374



Tritanopia

25.0878, 18.3599, 13.7768

Trichromacy



Original Color

33.2660, 18.3199, 54.0073



Protanomaly

20.4831, 15.0326, 74.4950



Deuteranomaly

21.7373, 16.4780, 50.7501



Tritanomaly

27.1793, 17.7728, 24.5522

Monochromacy



Original Color

33.2660, 18.3199, 54.0073



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

20.1921, 15.7698, 28.3652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2660, 18.3199, 54.0073 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(192, 59, 196)` looks like.

```
.text, #text, p{  
    color:rgb(192, 59, 196)  
}
```

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(192, 59, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 59, 196) }
```

Border

The CSS property to change the border of an element to XYZ 33.2660, 18.3199, 54.0073 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(192, 59, 196) }
```


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

```
.border{ border-color:rgb(192, 59, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 59, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 59, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 59, 196);  
box-shadow:4px 4px 4px 4px rgb(192, 59,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2660, 18.3199, 54.0073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 59, 196) }
```

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

```
.background{ background-color: rgb(192, 59,  
196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor