

# Converting Colors

XYZ(30.3890, 18.6551, 34.2716)

Have a look what the booklet for  
XYZ(30.3890, 18.6551, 34.2716)  
contains.

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# Color

**XYZ(30.4259, 18.7072,  
34.3550)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C04B9E
RGB	192, 75, 158
RGB Percent	75%, 29%, 62%
CMY	0.2471, 0.7059, 0.3804
CMYK	0.00, 0.61, 0.18, 0.25
HSL	317°, 48%, 52%
HSV	317°, 61%, 75%
XYZ	30.4259, 18.7072, 34.3550
YIQ	119.4450, 43.0890, 50.6170

# Conversions

## Conversions Part 2

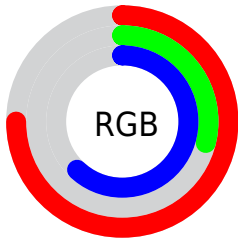
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 75, 158
Decimal	12602270
CIE <sub>Lab</sub>	50.34, 56.08, -21.77
CIE <sub>LCh</sub>	50, 60.154, 338.780
Yxy	18.7072, 0.3644, 0.2241
Android (android.graphics.Color)	4290792350 (0xFFC04B9E)
YUV	119.4450, 19.0076, 63.6307
Hunter-Lab	43.2518, 49.8768, -16.8179

# Details

The XYZ color **30.4259, 18.7072, 34.3550** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **24.5125, 40.3000, 20.9564**, and the grayscale version is **17.6083, 18.5253, 20.1741**.

A 20% lighter version of the original color is **59.7765, 41.2786, 67.7678**, and **12.6692, 6.3435, 14.1923** is the 20% darker color. If you saturate the color by 10%, you get **28.8452, 16.2969, 31.5121**, and if you desaturate by 10%, it is **32.4224, 21.9138, 37.4445**.

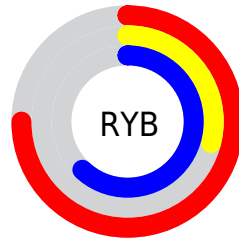
# Distribution



Red (75%)

Green (29%)

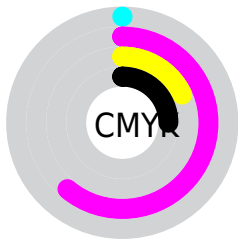
Blue (62%)



Red (75%)

Yellow (29%)

Blue (62%)

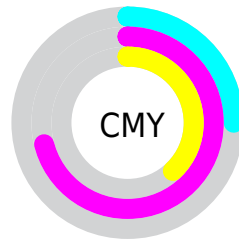


Cyan (0%)

Magenta (61%)

Yellow (18%)

Black (25%)



Cyan (25%)

Magenta (71%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4259, 18.7072, 34.3550 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 30.4259, 18.7072, 34.3550 by changing the saturation by 10% instead.





 30.4259, 18.7072,  
34.3550


 30.4259, 18.7072,  
34.3550


295.7590,  
244.8275, 336.5294

 20.3118, 11.4589,  
22.8869


 59.7171, 41.2387,  
67.6255


 12.7314, 6.3764,  
14.3055

 79.6248, 57.2908,  
90.2650


 7.3196, 3.0753,  
8.1923


 103.5278, 77.0462,  
117.4654

 3.7109, 1.1712,  
4.1287

 131.7914,  
100.8894, 149.6452

 1.5399, 0.0380,  
1.6962

 164.7810,  
129.2047, 187.2230

 0.3527, 0.0000,  
0.3581

202.8619,

 0.0000, 0.0000,

162.3766, 230.6173

0.0000

246.3994,  
200.7894, 280.2466

■ 30.4259, 18.7072,  
34.3550

■ 30.4259, 18.7072,  
34.3550

■ 28.8452, 16.2969,  
31.5121

■ 32.4224, 21.9138,  
37.4445

■ 27.6418, 14.6069,  
28.9009

■ 34.8654, 25.9781,  
40.7916

■ 26.7724, 13.5510,  
26.5058

■ 37.7844, 30.9588,  
44.4078

■ 26.1968, 12.9899,  
24.4948

■ 41.2060, 36.9084,  
48.3032

■ 45.1547, 43.8755,  
52.4873

■ 49.6534, 51.9055,  
56.9690

■ 54.7235, 61.0410,  
61.7567

■ 60.3854, 71.3221,  
66.8584

■ 66.6584, 82.7871,  
72.2819

# Harmonies

## Analogous

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



25.7752, 18.7072, 57.0943



30.4259, 18.7072, 34.3550



31.3351, 18.7072, 15.8470

# Triad

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



30.4259, 18.7072, 34.3550



16.1223, 18.7072, 2.2564



10.3894, 18.7072, 47.8541

# Complementary

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



30.4259, 18.7072, 34.3550



24.5125, 40.3000, 20.9564

# 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.



8.8369, 18.7072, 25.6784



30.4259, 18.7072, 34.3550



11.6380, 18.7072, 4.1841

# Square

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



30.4259, 18.7072, 34.3550



22.1591, 18.7072, 2.6982



9.2377, 18.7072, 10.8110



14.0206, 18.7072, 67.4115



# Rectangle

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



30.4259, 18.7072, 34.3550



29.5401, 18.7072, 8.4840



9.2377, 18.7072, 10.8110



9.6477, 18.7072, 40.0884

# Sweetspot

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



30.4265, 18.7081, 34.3554



76.4611, 70.0333, 89.4766



18.2341, 12.0365, 51.2319



15.9762, 14.2745, 18.7309



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



30.4265, 18.7081, 34.3554



51.4887, 28.4022, 55.5223



26.5723, 17.1665, 14.0597



10.3685, 10.1960, 12.0310



17.6627, 8.7548, 16.6675



0.7919, 0.3898, 0.8715



# Inverse Universe

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



30.4265, 18.7081, 34.3554



51.4887, 28.4022, 55.5223



28.6948, 41.9729, 42.9799



10.3685, 10.1960, 12.0310



17.6627, 8.7548, 16.6675



0.7919, 0.3898, 0.8715



# Previews

## White Background



This preview shows how the XYZ color 30.4259, 18.7072, 34.3550 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 30.4259, 18.7072, 34.3550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

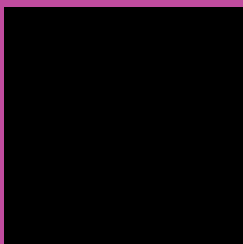
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.4259, 18.7072, 34.3550**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.4259, 18.7072, 34.3550.



This preview shows how white text looks on a background with the XYZ color 30.4259, 18.7072,



# 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

30.4259, 18.7072, 34.3550

### Protanopia

20.4065, 19.0379, 52.4683

### Deuteranopia

19.2668, 18.9042, 31.9116



## Tritanopia

26.0635, 18.6145, 13.5285

# Trichromacy



## Original Color

30.4259, 18.7072, 34.3550



## Protanomaly

21.8917, 17.3872, 45.3823



## Deuteranomaly

22.0857, 17.7651, 32.8368



## Tritanomaly

27.3173, 18.5203, 19.5878

# Monochromacy



## Original Color

30.4259, 18.7072, 34.3550



## Achromatopsia

17.5343, 18.4475, 20.0893



## Achromatomaly

20.9379, 17.5049, 24.4655

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.4259, 18.7072, 34.3550 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, 75, 158)` looks like.

```
.text, #text, p{  
    color:rgb(192, 75, 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(192, 75, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 75, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 30.4259, 18.7072, 34.3550 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, 75, 158) }
```



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

```
.border{ border-color:rgb(192, 75, 158) }
```

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

Here you see how a box with a 4 pixel rgb(192, 75, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 75, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 75, 158);  
box-shadow:4px 4px 4px 4px rgb(192, 75,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.4259, 18.7072, 34.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 75, 158) }
```

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

```
.background{ background-color: rgb(192, 75,  
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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