

# Converting Colors

XYZ(35.5113, 30.0939, 38.5138)

Have a look what the booklet for  
XYZ(35.5113, 30.0939, 38.5138)  
contains.

<b>XYZ(35.4919, 29.9842, 38.5672)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.4919, 29.9842,  
38.5672)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB85A3
RGB	187, 133, 163
RGB Percent	73%, 52%, 64%
CMY	0.2667, 0.4784, 0.3608
CMYK	0.00, 0.29, 0.13, 0.27
HSL	327°, 28%, 63%
HSV	327°, 29%, 73%
XYZ	35.4919, 29.9842, 38.5672
YIQ	152.5660, 22.5540, 20.7780

# Conversions

## Conversions Part 2

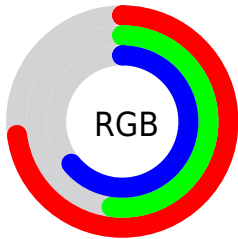
Format	Color
<a href="#">RYB</a>	<a href="#">187, 133, 163</a>
Decimal	<a href="#">12289443</a>
CIELab	<a href="#">61.64, 25.40, -7.65</a>
CIElCh	<a href="#">62, 26.522, 343.245</a>
Yxy	<a href="#">29.9842, 0.3411, 0.2882</a>
Android (android.graphics.Color)	<a href="#">4290479523 (0xFFBB85A3)</a>
YUV	<a href="#">152.5660, 5.1440, 30.1986</a>
Hunter-Lab	<a href="#">54.7578, 19.8706, -3.4288</a>

# Details

The XYZ color **35.4919, 29.9842, 38.5672** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.5302, 42.9623, 38.4256**, and the grayscale version is **30.0621, 31.6277, 34.4425**.

A 20% lighter version of the original color is **67.7334, 59.8357, 74.3092**, and **15.6354, 12.3208, 16.5930** is the 20% darker color. If you saturate the color by 10%, you get **32.4357, 25.0244, 33.9943**, and if you desaturate by 10%, it is **39.0546, 35.8778, 43.5511**.

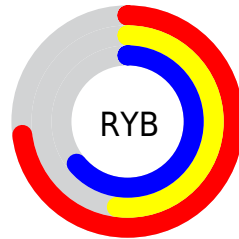
# Distribution



Red (73%)

Green (52%)

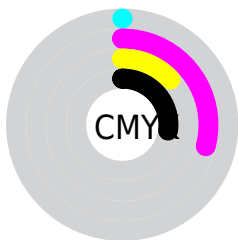
Blue (64%)



Red (73%)

Yellow (52%)

Blue (64%)

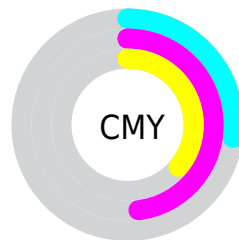


Cyan (0%)

Magenta (29%)

Yellow (13%)

Black (27%)



Cyan (27%)

Magenta (48%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4919, 29.9842, 38.5672 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 35.4919, 29.9842, 38.5672 by changing the saturation by 10% instead.





 35.4919, 29.9842,  
38.5672


 35.4919, 29.9842,  
38.5672


318.2044,  
301.8308, 355.4178


 24.2103, 19.8266,  
26.1180


 67.5761, 59.6372,  
74.1897

 15.6153, 12.2691,  
16.6854

 89.1095, 79.9014,  
98.2001

 9.3415, 6.9272,  
9.8508


 114.7908,  
104.3032, 126.9012

 5.0235, 3.4166,  
5.1959

144.9854,  
133.2271, 160.7117

 2.2959, 1.3529,  
2.3019

180.0588,  
167.0573, 200.0501

 0.7926, 0.1816,  
0.7323

220.3761,

 0.0000, 0.0000,

206.1785, 245.3348

0.0000

266.3029,  
250.9748, 296.9846

■ 35.4919, 29.9842,  
38.5672

■ 35.4919, 29.9842,  
38.5672

■ 32.4357, 25.0244,  
33.9943

■ 39.0546, 35.8778,  
43.5511

■ 29.8583, 20.9457,  
29.8175

■ 43.1444, 42.7463,  
48.9565

■ 27.7331, 17.6961,  
26.0237

■ 47.7840, 50.6332,  
54.7954

■ 26.0298, 15.2167,  
22.5978

■ 52.9940, 59.5783,  
61.0791

■ 24.7143, 13.4406,  
19.5234

■ 58.7939, 69.6191,  
67.8182

■ 23.7463, 12.2892,  
16.7818

■ 65.2020, 80.7914,  
75.0228

■ 23.0570, 11.6268,  
14.3448

■ 69.3292, 87.3151,  
81.7338

■ 22.9865, 11.5620,  
14.0859

■ 70.4657, 87.7697,  
87.7185

■ 71.6578, 88.2465,  
93.9962

# Harmonies

## Analogous

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



33.3979, 29.9842, 48.9209



35.4919, 29.9842, 38.5672



35.6164, 29.9842, 28.4004

# Triad

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



35.4919, 29.9842, 38.5672



26.9746, 29.9842, 17.1675



23.8430, 29.9842, 47.8288

# Complementary

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



35.4919, 29.9842, 38.5672



33.5302, 42.9623, 38.4256

# 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.



22.3994, 29.9842, 37.2987



35.4919, 29.9842, 38.5672



24.1044, 29.9842, 20.4544

# Square

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



35.4919, 29.9842, 38.5672



30.4973, 29.9842, 17.3687



22.4910, 29.9842, 27.3672



26.5901, 29.9842, 54.9769



# Rectangle

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



35.4919, 29.9842, 38.5672



34.5496, 29.9842, 23.1231



22.4910, 29.9842, 27.3672



23.1997, 29.9842, 44.4833

# Sweetspot

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



35.4928, 29.9856, 38.5678



77.0597, 76.2012, 87.4080



31.1463, 27.4724, 50.6752



16.7212, 16.3611, 18.9267



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



35.4928, 29.9856, 38.5678



59.8061, 47.5790, 63.5137



33.3689, 29.1360, 27.3834



9.7460, 9.6227, 11.0515



15.8746, 7.9810, 9.8991



0.6543, 0.3256, 0.5586



# Inverse Universe

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



35.4928, 29.9856, 38.5678



59.8061, 47.5790, 63.5137



36.0331, 43.9635, 51.6055



9.7460, 9.6227, 11.0515



15.8746, 7.9810, 9.8991

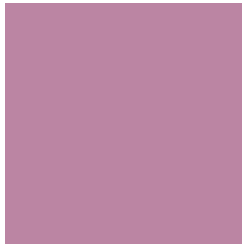


0.6543, 0.3256, 0.5586



# Previews

## White Background



This preview shows how the XYZ color 35.4919, 29.9842, 38.5672 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

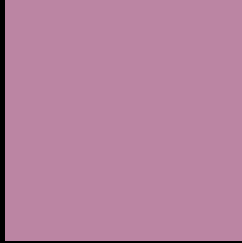
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4919, 29.9842, 38.5672 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 35.4919, 29.9842, 38.5672**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4919, 29.9842, 38.5672.



This preview shows how white text looks on a background with the XYZ color 35.4919, 29.9842,



# 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

35.4919, 29.9842, 38.5672

### Protanopia

29.8098, 30.2167, 43.7964

### Deuteranopia

30.6590, 30.0931, 37.9109



## Tritanopia

34.0001, 29.9979, 31.1923

# Trichromacy



## Original Color

35.4919, 29.9842, 38.5672

## Protanomaly

31.4811, 29.9831, 41.6642

## Deuteranomaly

32.4086, 30.0934, 38.2829

## Tritanomaly

34.5812, 30.0340, 33.6803

# Monochromacy



## Original Color

35.4919, 29.9842, 38.5672

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

31.8817, 30.9914, 36.1999

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4919, 29.9842, 38.5672 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(187, 133, 163)` looks like.

```
.text, #text, p{  
    color:rgb(187, 133, 163)  
}
```

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(187, 133, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 133, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4919, 29.9842, 38.5672 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(187, 133, 163) }
```



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

```
.border{ border-color:rgb(187, 133, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 133, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 133, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 133, 163);  
box-shadow:4px 4px 4px 4px rgb(187, 133,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4919, 29.9842, 38.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 133, 163) }
```

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

```
.background{ background-color: rgb(187,  
133, 163) }
```

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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