

# Converting Colors

XYZ(39.5485, 35.4266, 57.9776)

Have a look what the booklet for  
XYZ(39.5485, 35.4266, 57.9776)  
contains.

<b>XYZ(39.4595, 35.3549, 58.1705)</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(39.4595, 35.3549,  
58.1705)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B296C6
RGB	178, 150, 198
RGB Percent	70%, 59%, 78%
CMY	0.3020, 0.4117, 0.2235
CMYK	0.10, 0.24, 0.00, 0.22
HSL	275°, 30%, 68%
HSV	275°, 24%, 78%
XYZ	39.4595, 35.3549, 58.1705
YIQ	163.8440, 1.2800, 20.8640

# Conversions

## Conversions Part 2

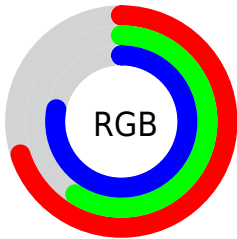
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	178, 150, 198
Decimal	11704006
CIE Lab	66.02, 19.45, -20.86
CIE LCh	66, 28.522, 312.987
Yxy	35.3549, 0.2967, 0.2659
Android (android.graphics.Color)	4289894086 (0xFFB296C6)
YUV	163.8440, 16.8389, 12.4148
Hunter-Lab	59.4600, 14.4032, -16.3822

# Details

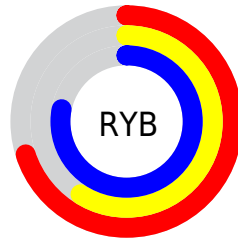
The XYZ color **39.4595, 35.3549, 58.1705** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.2778, 51.1371, 36.4980**, and the grayscale version is **35.1355, 36.9653, 40.2552**.

A 20% lighter version of the original color is **73.5746, 67.8982, 103.8356**, and **17.9533, 15.2973, 28.3920** is the 20% darker color. If you saturate the color by 10%, you get **34.7268, 28.6152, 57.1196**, and if you desaturate by 10%, it is **44.8421, 43.2240, 59.4062**.

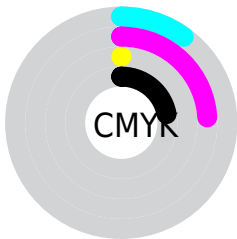
# Distribution



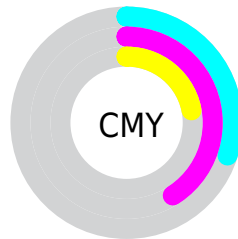
- Red (70%)
- Green (59%)
- Blue (78%)



- Red (70%)
- Yellow (59%)
- Blue (78%)



- Cyan (10%)
- Magenta (24%)
- Yellow (0%)
- Black (22%)



- Cyan (30%)
- Magenta (41%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4595, 35.3549, 58.1705 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 39.4595, 35.3549, 58.1705 by changing the saturation by 10% instead.





 39.4595, 35.3549,  
58.1705


 39.4595, 35.3549,  
58.1705

335.0138,  
326.1321, 435.4369

 27.2997, 23.9364,  
41.5301


 73.6293, 68.0352,  
103.6883

 17.9362, 15.2864,  
28.4107


 96.3701, 90.0658,  
133.4029

 11.0036, 9.0207,  
18.3938


123.3686,  
116.4025, 168.3126

 6.1366, 4.7547,  
11.0607

154.9901,  
147.4298, 208.8359

 2.9697, 2.1040,  
5.9930

191.6000,  
183.5320, 255.3915

 1.1378, 0.6669,  
2.7721

233.5637,

 0.0564, 0.0000,

225.0935, 308.3978

0.9795

281.2465,  
272.4987, 368.2735

■ 0.0000, 0.0000,  
0.0000

■ 39.4595, 35.3549,  
58.1705

■ 39.4595, 35.3549,  
58.1705

■ 34.7268, 28.6152,  
57.1196

■ 44.8421, 43.2240,  
59.4062

■ 30.6119, 22.9457,  
56.2422

■ 50.8982, 52.2688,  
60.8329

■ 27.0848, 18.2886,  
55.5291


■ 57.6541, 62.5386,  
62.4591


■ 24.1111, 14.5786,  
54.9698


■ 65.1337, 74.0783,  
64.2922


■ 21.6528, 11.7425,  
54.5519


■ 73.3597, 86.9306,  
66.3394


 19.6660, 9.6960,  
54.2616


 77.7906, 92.0101,  
67.0863

 18.0980, 8.3370,  
54.0819

 80.4633, 93.3879,  
67.2114

 17.3292, 7.7560,  
54.0103

 83.2625, 94.8310,  
67.3424

 86.1899, 96.3401,  
67.4794

# Harmonies

## Analogous

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



35.4648, 35.3549, 65.9434



39.4595, 35.3549, 58.1705



41.9959, 35.3549, 45.7203

# Triad

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



39.4595, 35.3549, 58.1705



36.0399, 35.3549, 20.2425



26.2857, 35.3549, 43.9706

# Complementary

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



39.4595, 35.3549, 58.1705



42.2778, 51.1371, 36.4980

# 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.



26.4115, 35.3549, 32.0749



39.4595, 35.3549, 58.1705



31.8090, 35.3549, 19.9679

# Square

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



39.4595, 35.3549, 58.1705



39.9109, 35.3549, 24.6984



28.3581, 35.3549, 23.8477



27.9988, 35.3549, 56.6602



# Rectangle

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



39.4595, 35.3549, 58.1705



42.3973, 35.3549, 37.2945



28.3581, 35.3549, 23.8477



26.1189, 35.3549, 39.7220

# Sweetspot

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



39.4606, 35.3564, 58.1713



86.9340, 87.7518, 106.9636



37.2972, 39.6130, 59.1069



18.4639, 18.5674, 22.8607



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.



39.4606, 35.3564, 58.1713



65.3825, 56.1653, 102.0027



44.0238, 37.7510, 56.4783



10.6394, 10.5879, 13.4004



11.3688, 5.0951, 35.1286



0.6194, 0.2831, 1.6671



# Inverse Universe

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



41.4519, 36.7222, 42.9351



69.6404, 59.0746, 69.9290



38.5393, 49.1796, 37.6867



10.8141, 10.7090, 12.0043



16.1887, 8.2250, 6.2034

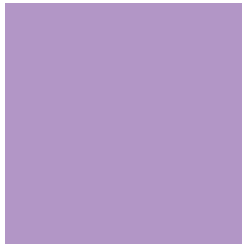


0.8025, 0.4038, 0.4829



# Previews

## White Background



This preview shows how the XYZ color 39.4595, 35.3549, 58.1705 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 39.4595, 35.3549, 58.1705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

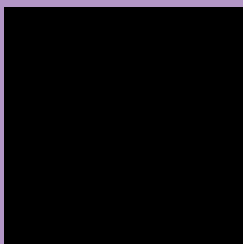
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.4595, 35.3549, 58.1705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4595, 35.3549, 58.1705.



This preview shows how white text looks on a background with the XYZ color 39.4595, 35.3549,



# 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

39.4595, 35.3549, 58.1705

### Protanopia

35.6916, 35.5455, 62.1066

### Deuteranopia

36.2356, 35.4143, 57.7491



## Tritanopia

36.1899, 35.4883, 41.9883

# Trichromacy



**Original Color**

39.4595, 35.3549, 58.1705

**Protanomaly**

37.0463, 35.5148, 60.7796

**Deuteranomaly**

37.1507, 35.1418, 57.6483

**Tritanomaly**

37.3715, 35.4798, 47.5264

# Monochromacy



**Original Color**

39.4595, 35.3549, 58.1705

**Achromatopsia**

35.2861, 37.1238, 40.4278

**Achromatomaly**

36.5968, 36.3659, 46.1648

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4595, 35.3549, 58.1705 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(178, 150, 198)` looks like.

```
.text, #text, p{  
    color:rgb(178, 150, 198)  
}
```

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(178, 150, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 150, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4595, 35.3549, 58.1705 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(178, 150, 198) }
```



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

```
.border{ border-color:rgb(178, 150, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 150, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 150, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 150, 198);  
box-shadow:4px 4px 4px 4px rgb(178, 150,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4595, 35.3549, 58.1705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 150, 198) }
```

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

```
.background{ background-color: rgb(178,  
150, 198) }
```

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