

# Converting Colors

XYZ(34.8605, 19.7992, 59.1115)

Have a look what the booklet for  
XYZ(34.8605, 19.7992, 59.1115)  
contains.

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# Color

**XYZ(34.9585, 19.8313,  
59.1121)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C144CC
RGB	193, 68, 204
RGB Percent	76%, 27%, 80%
CMY	0.2431, 0.7333, 0.2000
CMYK	0.05, 0.67, 0.00, 0.20
HSL	295°, 57%, 53%
HSV	295°, 67%, 80%
XYZ	34.9585, 19.8313, 59.1121
YIQ	120.8790, 30.8440, 68.7960

# Conversions

## Conversions Part 2

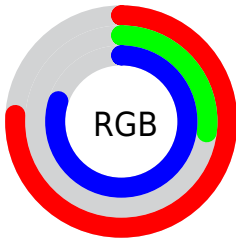
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 68, 204
Decimal	12666060
CIELab	51.65, 66.66, -46.52
CIELCh	52, 81.293, 325.089
Yxy	19.8313, 0.3069, 0.1741
Android (android.graphics.Color)	4290856140 (0xFFC144CC)
YUV	120.8790, 40.9787, 63.2501
Hunter-Lab	44.5323, 62.1933, -47.5287

# Details

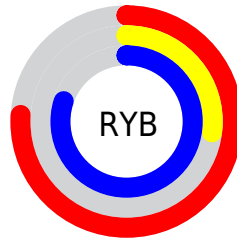
The XYZ color **34.9585, 19.8313, 59.1121** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **25.8613, 45.2659, 12.8438**, and the grayscale version is **18.0009, 18.9384, 20.6239**.

A 20% lighter version of the original color is **65.5285, 42.5827, 99.3733**, and **15.5782, 7.4042, 29.0419** is the 20% darker color. If you saturate the color by 10%, you get **33.5144, 17.5634, 58.7508**, and if you desaturate by 10%, it is **36.8379, 22.9615, 59.6175**.

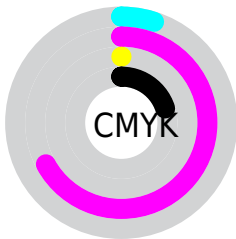
# Distribution



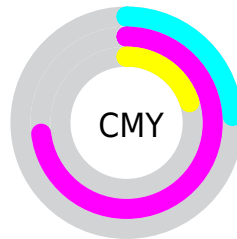
- Red (76%)
- Green (27%)
- Blue (80%)



- Red (76%)
- Yellow (27%)
- Blue (80%)



- Cyan (5%)
- Magenta (67%)
- Yellow (0%)
- Black (20%)



- Cyan (24%)
- Magenta (73%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9585, 19.8313, 59.1121 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 34.9585, 19.8313, 59.1121 by changing the saturation by 10% instead.




 34.9585, 19.8313,  
59.1121


 34.9585, 19.8313,  
59.1121


315.8963,  
251.0004, 439.0307


 23.7973, 12.2725,  
42.2828


 66.7559, 43.1342,  
105.0713


 15.3072, 6.9295,  
28.9955


 88.1228, 59.6470,  
135.0382


 9.1230, 3.4181,  
18.8319


 113.6223, 79.9133,  
170.2215

 4.8793, 1.3537,  
11.3733

 143.6198,  
104.3174, 211.0395

 2.2106, 0.1822,  
6.2012

 178.4806,  
133.2438, 257.9109

 0.7483, 0.0000,  
2.8970

218.5700,

 0.0000, 0.0000,

167.0768, 311.2542

1.0423

264.2535,  
206.2009, 371.4879

■ 0.0000, 0.0000,  
0.0000

■ 34.9585, 19.8313,  
59.1121

■ 34.9585, 19.8313,  
59.1121

■ 33.5144, 17.5634,  
58.7508

■ 36.8379, 22.9615,  
59.6175

■ 32.4565, 16.0617,  
58.5167

■ 39.1904, 27.0316,  
60.2791

■ 31.7248, 15.2053,  
58.3899

■ 42.0523, 32.1135,  
61.1092

■ 31.5155, 14.9878,  
58.3590

■ 45.4556, 38.2711,  
62.1184

■ 49.4298, 45.5635,  
63.3165

■ 54.0022, 54.0451,  
64.7126

■ 59.1982, 63.7670,  
66.3153

■ 65.0420, 74.7772,  
68.1324

■ 71.5563, 87.1213,  
70.1718

# Harmonies

## Analogous

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



26.3554, 19.8313, 93.7287



34.9585, 19.8313, 59.1121



39.3240, 19.8313, 25.6939

# Triad

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



34.9585, 19.8313, 59.1121



20.2313, 19.8313, 0.5628



7.8727, 19.8313, 46.9536

# Complementary

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



34.9585, 19.8313, 59.1121



25.8613, 45.2659, 12.8438

# 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.



7.1006, 19.8313, 17.9533



34.9585, 19.8313, 59.1121



12.9233, 19.8313, 1.0827

# Square

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



34.9585, 19.8313, 59.1121



29.3881, 19.8313, 1.6980



8.6512, 19.8313, 4.6896



11.1894, 19.8313, 83.8139



# Rectangle

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



34.9585, 19.8313, 59.1121



38.5365, 19.8313, 11.8430



8.6512, 19.8313, 4.6896



7.3570, 19.8313, 35.6079

# Sweetspot

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



34.9593, 19.8322, 59.1125



79.3816, 70.8918, 104.1074



16.1038, 11.2297, 58.4459



16.5900, 14.4382, 22.1624



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.



34.9593, 19.8322, 59.1125



54.6621, 27.8516, 97.1026



32.2623, 19.0895, 29.7263



11.5946, 11.3558, 14.1512



19.8735, 9.4527, 36.7334



1.0524, 0.5016, 1.8963



# Inverse Universe

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



28.3809, 17.5369, 9.2871



43.4520, 24.0389, 7.7388



27.6579, 45.8874, 26.6911



11.2485, 11.2281, 11.8434



15.7488, 8.1101, 1.1300



0.8255, 0.4236, 0.1271



# Previews

## White Background



This preview shows how the XYZ color 34.9585, 19.8313, 59.1121 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

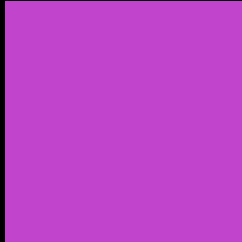
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 34.9585, 19.8313, 59.1121 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

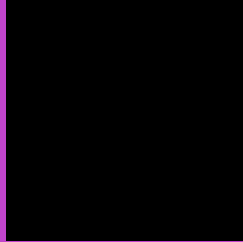
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.9585, 19.8313, 59.1121**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9585, 19.8313, 59.1121.



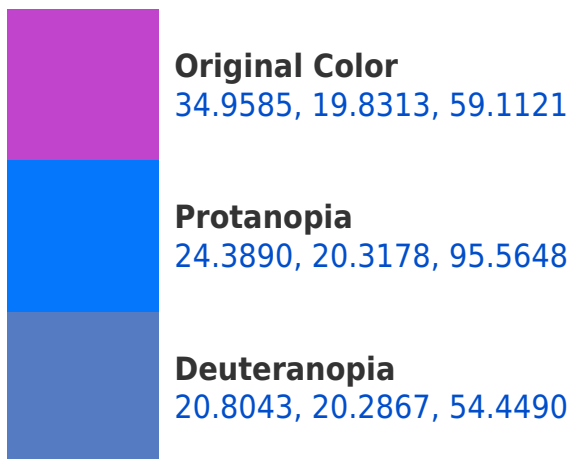
This preview shows how white text looks on a background with the XYZ color 34.9585, 19.8313,



# 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





## Tritanopia

26.1194, 19.7880, 16.0785

# Trichromacy



## Original Color

34.9585, 19.8313, 59.1121



## Protanomaly

22.3002, 16.5290, 80.6123



## Deuteranomaly

23.4555, 18.2629, 55.7149



## Tritanomaly

28.3798, 19.2467, 27.8104

# Monochromacy



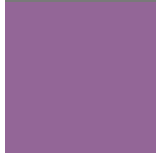
## Original Color

34.9585, 19.8313, 59.1121



## Achromatopsia

18.1737, 19.1202, 20.8219



## Achromatomaly

22.3699, 17.9402, 31.5619

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9585, 19.8313, 59.1121 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(193, 68, 204)` looks like.

```
.text, #text, p{  
    color:rgb(193, 68, 204)  
}
```

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(193, 68, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 68, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9585, 19.8313, 59.1121 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(193, 68, 204) }
```



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

```
.border{ border-color:rgb(193, 68, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 68, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 68, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 68, 204);  
box-shadow:4px 4px 4px 4px rgb(193, 68,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9585, 19.8313, 59.1121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 68, 204) }
```

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

```
.background{ background-color: rgb(193, 68,  
204) }
```

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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