

Converting Colors

XYZ(35.8905, 19.0954, 54.6175)

Have a look what the booklet for
XYZ(35.8905, 19.0954, 54.6175)
contains.

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Color

**XYZ(35.8905, 19.0954,
54.6175)**

Conversions

Conversions Part 1

Format	Color
Hex	CB33C5
RGB	203, 51, 197
RGB Percent	80%, 20%, 77%
CMY	0.2039, 0.8000, 0.2274
CMYK	0.00, 0.75, 0.03, 0.20
HSL	302°, 60%, 50%
HSV	302°, 75%, 80%
XYZ	35.8905, 19.0954, 54.6175
YIQ	113.0920, 43.7260, 77.6300

Conversions

Conversions Part 2

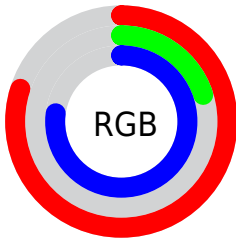
Format	Color
R _{YB}	203, 51, 197
Decimal	13317061
CIE Lab	50.80, 73.47, -43.74
CIE LCh	51, 85.506, 329.233
Yxy	19.0954, 0.3275, 0.1742
Android (android.graphics.Color)	4291507141 (0xFFCB33C5)
YUV	113.0920, 41.3666, 78.8493
Hunter-Lab	43.6983, 70.1345, -43.5164

Details

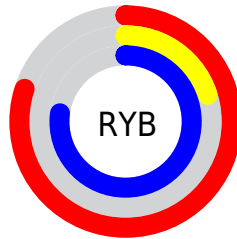
The XYZ color **35.8905, 19.0954, 54.6175** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **23.4606, 43.7120, 11.0728**, and the grayscale version is **15.5967, 16.4090, 17.8694**.

A 20% lighter version of the original color is **65.0345, 40.2260, 98.1026**, and **16.5595, 7.9727, 26.2573** is the 20% darker color. If you saturate the color by 10%, you get **35.0978, 17.6561, 53.9015**, and if you desaturate by 10%, it is **37.0720, 21.3106, 55.4658**.

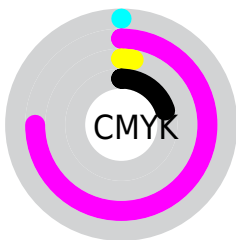
Distribution



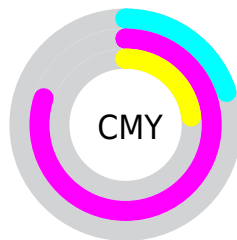
- Red (80%)
- Green (20%)
- Blue (77%)



- Red (80%)
- Yellow (20%)
- Blue (77%)



- Cyan (0%)
- Magenta (75%)
- Yellow (3%)
- Black (20%)




- Cyan (20%)
- Magenta (80%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8905, 19.0954, 54.6175 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 35.8905, 19.0954, 54.6175 by changing the saturation by 10% instead.

 35.8905, 19.0954,
54.6175


 35.8905, 19.0954,
54.6175


319.9213,
246.9749, 421.7014


 24.5194, 11.7392,
38.6990


 68.1880, 41.8952,
98.4458


 15.8461, 6.5664,
26.2196


 89.8451, 58.1077,
127.1928


 9.5055, 3.1924,
16.7608


 115.6615, 78.0411,
161.0530

 5.1321, 1.2330,
9.9039

 146.0026,
102.0797, 200.4449

 2.3605, 0.0884,
5.2305

 181.2338,
130.6080, 245.7872

 0.8254, 0.0000,
2.3221

221.7204,

 0.0000, 0.0000,

164.0104, 297.4983

0.7435

267.8278,
202.6712, 355.9969

■ 0.0000, 0.0000,
0.0000

■ 35.8905, 19.0954,
54.6175

■ 35.8905, 19.0954,
54.6175

■ 35.0978, 17.6561,
53.9015

■ 37.0720, 21.3106,
55.4658

■ 34.6373, 16.8808,
53.2985

■ 38.6851, 24.3884,
56.4602

■ 34.4778, 16.6362,
53.0158

■ 40.7689, 28.4072,
57.6140

■ 43.3580, 33.4357,
58.9386

■ 46.4835, 39.5361,
60.4444

■ 50.1740, 46.7658,
62.1410

■ 54.4562, 55.1781,
64.0373

■ 59.3549, 64.8228,
66.1415

■ 64.8938, 75.7468,
68.4615

Harmonies

Analogous

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



27.2469, 19.0954, 93.0391



35.8905, 19.0954, 54.6175



39.5944, 19.0954, 21.4180

Triad

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



35.8905, 19.0954, 54.6175



18.3670, 19.0954, 0.1458



7.3800, 19.0954, 52.5977

Complementary

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



35.8905, 19.0954, 54.6175



23.4606, 43.7120, 11.0728

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.



6.3071, 19.0954, 20.1776



35.8905, 19.0954, 54.6175



11.3428, 19.0954, 0.9066

Square

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



35.8905, 19.0954, 54.6175



27.7416, 19.0954, 0.9868



7.4995, 19.0954, 4.9602



11.0709, 19.0954, 91.3650

Rectangle

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



35.8905, 19.0954, 54.6175



38.0981, 19.0954, 8.9637



7.4995, 19.0954, 4.9602



6.7631, 19.0954, 40.0808

Sweetspot

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



35.8912, 19.0963, 54.6179



79.3358, 69.1390, 101.9129



13.5989, 7.5231, 57.2361



16.6392, 14.1296, 21.6537



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.



35.8912, 19.0963, 54.6179



58.2236, 28.6269, 89.5967



29.3222, 16.4687, 20.0256



11.6677, 11.3958, 14.0506



21.9494, 10.5904, 33.7820



1.1384, 0.5488, 1.7748

Inverse Universe

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



35.8912, 19.0963, 54.6179



58.2236, 28.6269, 89.5967



26.8916, 45.0844, 29.1402



11.6677, 11.3958, 14.0506



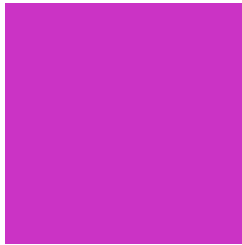
21.9494, 10.5904, 33.7820



1.1384, 0.5488, 1.7748

Previews

White Background



This preview shows how the XYZ color 35.8905, 19.0954, 54.6175 looks on a white background.

Color Contrast Check

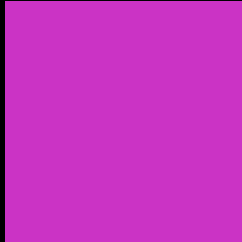
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8905, 19.0954, 54.6175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

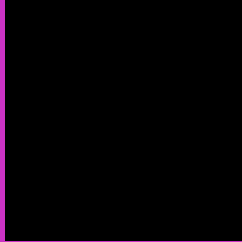
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8905, 19.0954, 54.6175

Background



This preview shows how black text looks on a background with the XYZ color 35.8905, 19.0954, 54.6175.



This preview shows how white text looks on a background with the XYZ color 35.8905, 19.0954,

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

35.8905, 19.0954, 54.6175

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.9268, 19.3864, 49.7054



Tritanopia

27.2483, 18.9941, 12.8198

Trichromacy



Original Color

35.8905, 19.0954, 54.6175



Protanomaly

21.0213, 14.9977, 76.6498



Deuteranomaly

22.7928, 16.8732, 51.3457



Tritanomaly

29.3778, 18.4066, 23.4772

Monochromacy



Original Color

35.8905, 19.0954, 54.6175



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

20.5443, 15.4369, 28.2824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8905, 19.0954, 54.6175 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(203, 51, 197)` looks like.

```
.text, #text, p{  
    color:rgb(203, 51, 197)  
}
```

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(203, 51, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 51, 197) }
```

Border

The CSS property to change the border of an element to XYZ 35.8905, 19.0954, 54.6175 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(203, 51, 197) }
```


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

```
.border{ border-color:rgb(203, 51, 197) }
```

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

Here you see how a box with a 4 pixel rgb(203, 51, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 51, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 51, 197);  
box-shadow:4px 4px 4px 4px rgb(203, 51,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8905, 19.0954, 54.6175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 51, 197) }
```

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

```
.background{ background-color: rgb(203, 51,  
197) }
```

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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