

Converting Colors

XYZ(35.8544, 19.1911, 55.2500)

Have a look what the booklet for
XYZ(35.8544, 19.1911, 55.2500)
contains.

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Color

**XYZ(35.8233, 19.1800,
55.2401)**

Conversions

Conversions Part 1

Format	Color
Hex	CA35C6
RGB	202, 53, 198
RGB Percent	79%, 21%, 78%
CMY	0.2078, 0.7921, 0.2235
CMYK	0.00, 0.74, 0.02, 0.21
HSL	302°, 58%, 50%
HSV	302°, 74%, 79%
XYZ	35.8233, 19.1800, 55.2401
YIQ	114.0810, 42.2590, 76.6830

Conversions

Conversions Part 2

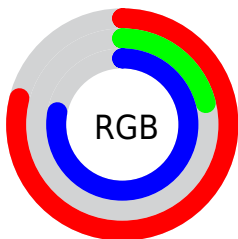
Format	Color
R _{YB}	202, 53, 198
Decimal	13252038
CIE _{Lab}	50.90, 72.82, -44.17
CIE _{LCh}	51, 85.171, 328.759
Yxy	19.1800, 0.3249, 0.1740
Android (android.graphics.Color)	4291442118 (0xFFCA35C6)
YUV	114.0810, 41.3721, 77.1050
Hunter-Lab	43.7950, 69.3678, -44.1280

Details

The XYZ color **35.8233, 19.1800, 55.2401** 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 **23.3282, 43.2943, 10.9991**, and the grayscale version is **15.8908, 16.7183, 18.2062**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **16.4595, 7.9125, 26.6463** is the 20% darker color. If you saturate the color by 10%, you get **35.0266, 17.6861, 54.6665**, and if you desaturate by 10%, it is **37.0095, 21.4515, 55.9449**.

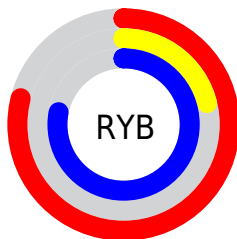
Distribution



Red (79%)

Green (21%)

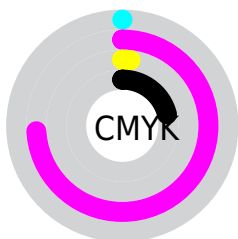
Blue (78%)



Red (79%)

Yellow (21%)

Blue (78%)

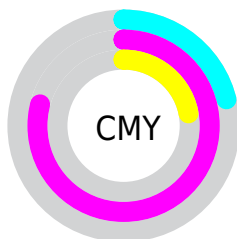


Cyan (0%)

Magenta (74%)

Yellow (2%)

Black (21%)



Cyan (21%)


Magenta (79%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8233, 19.1800, 55.2401 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 35.8233, 19.1800, 55.2401 by changing the saturation by 10% instead.

 35.8233, 19.1800,
55.2401

 35.8233, 19.1800,
55.2401

319.6323,
247.4407, 424.1290


 24.4672, 11.8004,
39.1941


 68.0849, 42.0380,
99.3673


 15.8072, 6.6079,
26.6018


 89.7212, 58.2853,
128.2856


 9.4778, 3.2181,
17.0446


 115.5148, 78.2572,
162.3318

 5.1137, 1.2466,
10.1040

 145.8313,
102.3382, 201.9243

 2.3496, 0.0993,
5.3614

 181.0359,
130.9126, 247.4817

 0.8199, 0.0000,
2.3984

221.4941,

 0.0000, 0.0000,

164.3649, 299.4226

0.7856

267.5711,
203.0795, 358.1655

■ 0.0000, 0.0000,
0.0000

■ 35.8233, 19.1800,
55.2401

■ 35.8233, 19.1800,
55.2401

■ 35.0266, 17.6861,
54.6665

■ 37.0095, 21.4515,
55.9449

■ 34.5648, 16.8620,
54.2055


■ 38.6265, 24.5847,
56.7943


■ 34.3871, 16.5686,
53.9552


■ 40.7126, 28.6559,
57.8011


■ 43.3013, 33.7321,
58.9766

■ 46.4233, 39.8742,
60.3310

 50.1065, 47.1385,
61.8735

 54.3771, 55.5772,
63.6130

 59.2594, 65.2390,
65.5574

 64.7766, 76.1702,
67.7147

Harmonies

Analogous

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



27.1591, 19.1800, 93.3609



35.8233, 19.1800, 55.2401



39.6189, 19.1800, 21.9016

Triad

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



35.8233, 19.1800, 55.2401



18.5820, 19.1800, 0.1820



7.4191, 19.1800, 51.9876

Complementary

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



35.8233, 19.1800, 55.2401



23.3282, 43.2943, 10.9991

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.



6.3796, 19.1800, 19.8980



35.8233, 19.1800, 55.2401



11.5100, 19.1800, 0.9151

Square

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



35.8233, 19.1800, 55.2401



27.9570, 19.1800, 1.0462



7.6128, 19.1800, 4.9058



11.0699, 19.1800, 90.6687

Rectangle

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



35.8233, 19.1800, 55.2401



38.2027, 19.1800, 9.2591



7.6128, 19.1800, 4.9058



6.8133, 19.1800, 39.5748

Sweetspot

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



35.8240, 19.1809, 55.2405



79.4488, 69.1842, 102.5077



13.5369, 7.6374, 56.6387



16.6663, 14.1405, 21.7966



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.



35.8240, 19.1809, 55.2405



58.7406, 28.9266, 92.0328



29.3340, 16.5849, 21.0643



11.6740, 11.3983, 14.0841



22.1330, 10.6638, 34.7484



1.1460, 0.5518, 1.8148

Inverse Universe

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



35.8240, 19.1809, 55.2405



58.7406, 28.9266, 92.0328



26.6179, 44.6102, 28.3225



11.6740, 11.3983, 14.0841



22.1330, 10.6638, 34.7484



1.1460, 0.5518, 1.8148

Previews

White Background



This preview shows how the XYZ color 35.8233, 19.1800, 55.2401 looks on a white background.

Color Contrast Check

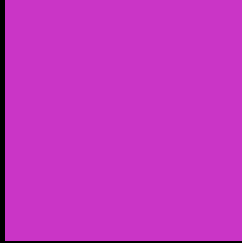
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8233, 19.1800, 55.2401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

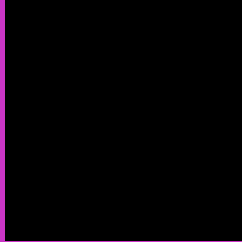
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8233, 19.1800, 55.2401

Background



This preview shows how black text looks on a background with the XYZ color 35.8233, 19.1800, 55.2401.



This preview shows how white text looks on a background with the XYZ color 35.8233, 19.1800,

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

35.8233, 19.1800, 55.2401

Protanopia

23.6166, 19.6247, 92.9857

Deuteranopia

19.9390, 19.3803, 50.2668



Tritanopia

27.2533, 19.2332, 13.3423

Trichromacy



Original Color

35.8233, 19.1800, 55.2401



Protanomaly

21.1742, 15.1914, 77.4175



Deuteranomaly

22.7506, 16.8386, 51.9203



Tritanomaly

29.3932, 18.6033, 24.2319

Monochromacy



Original Color

35.8233, 19.1800, 55.2401



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

20.7920, 15.8096, 28.7438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8233, 19.1800, 55.2401 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(202, 53, 198)` looks like.

```
.text, #text, p{  
    color:rgb(202, 53, 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(202, 53, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 53, 198) }
```

Border

The CSS property to change the border of an element to XYZ 35.8233, 19.1800, 55.2401 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(202, 53, 198) }
```


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

```
.border{ border-color:rgb(202, 53, 198) }
```

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

Here you see how a box with a 4 pixel rgb(202, 53, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 53, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 53, 198);  
box-shadow:4px 4px 4px 4px rgb(202, 53,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8233, 19.1800, 55.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 53, 198) }
```

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

```
.background{ background-color: rgb(202, 53,  
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](#).

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