

Converting Colors

XYZ(35.8904, 19.0956, 70.2003)

Have a look what the booklet for
XYZ(35.8904, 19.0956, 70.2003)
contains.

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Color

**XYZ(35.9512, 19.1252,
70.2033)**

Conversions

Conversions Part 1

Format	Color
Hex	BF38DD
RGB	191, 56, 221
RGB Percent	75%, 22%, 87%
CMY	0.2510, 0.7804, 0.1333
CMYK	0.14, 0.75, 0.00, 0.13
HSL	289°, 71%, 54%
HSV	289°, 75%, 87%
XYZ	35.9512, 19.1252, 70.2033
YIQ	115.1750, 27.4950, 79.9350

Conversions

Conversions Part 2

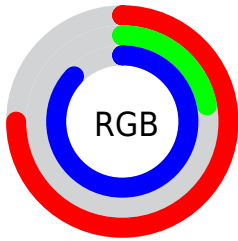
Format	Color
R_{YB}	191, 56, 221
Decimal	12531933
CIE Lab	50.83, 73.53, -57.55
CIE LCh	51, 93.371, 321.948
Yxy	19.1252, 0.2870, 0.1527
Android (android.graphics.Color)	4290722013 (0xFFBF38DD)
YUV	115.1750, 52.1717, 66.4985
Hunter-Lab	43.7324, 70.2084, -64.5652

Details

The XYZ color **35.9512, 19.1252, 70.2033** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **30.4086, 53.9773, 12.5581**, and the grayscale version is **16.1908, 17.0340, 18.5500**.

A 20% lighter version of the original color is **64.0791, 40.2200, 98.9936**, and **16.4644, 7.7032, 36.2164** is the 20% darker color. If you saturate the color by 10%, you get **34.1101, 16.9219, 69.8754**, and if you desaturate by 10%, it is **38.2940, 22.2891, 70.6908**.

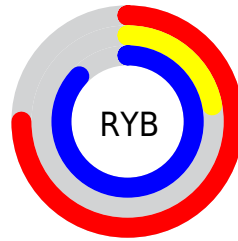
Distribution



Red (75%)

Green (22%)

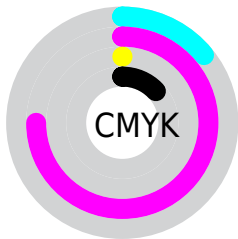
Blue (87%)



Red (75%)

Yellow (22%)

Blue (87%)

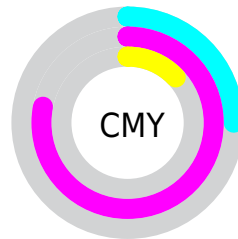


Cyan (14%)

Magenta (75%)

Yellow (0%)

Black (13%)



Cyan (25%)


Magenta (78%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9512, 19.1252, 70.2033 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 35.9512, 19.1252, 70.2033 by changing the saturation by 10% instead.

 35.9512, 19.1252,
70.2033


 35.9512, 19.1252,
70.2033


320.1822,
247.1391, 480.0719


 24.5664, 11.7608,
51.2145


 68.2811, 41.9456,
121.1825


 15.8813, 6.5810,
36.0014


 89.9570, 58.1703,
154.0099


 9.5305, 3.2015,
24.1456


 115.7939, 78.1172,
192.2872

 5.1487, 1.2378,
15.2284

 146.1573,
102.1708, 236.4330

 2.3704, 0.0923,
8.8315

 181.4124,
130.7153, 286.8659

 0.8303, 0.0000,
4.5361

221.9247,

 0.0000, 0.0000,

164.1353, 344.0043

1.9238

268.0595,
202.8151, 408.2668

■ 0.0000, 0.0000,
0.5078

■ 0.0000, 0.0000,
0.0000

■ 35.9512, 19.1252,
70.2033

■ 35.9512, 19.1252,
70.2033

■ 34.1101, 16.9219,
69.8754

■ 38.2940, 22.2891,
70.6908


■ 32.7007, 15.5418,
69.6833


■ 41.1915, 26.5217,
71.3551


■ 32.0650, 15.0224,
69.6165


■ 44.6923, 31.9192,
72.2124


■ 48.8390, 38.5662,
73.2768

 53.6700, 46.5397,
74.5613

 59.2209, 55.9101,
76.0774

 65.5246, 66.7430,
77.8361

 72.6119, 79.0997,
79.8476

 80.5118, 93.0382,
82.1217

Harmonies

Analogous

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



25.6172, 19.1252, 111.9044



35.9512, 19.1252, 70.2033



41.8965, 19.1252, 28.7496

Triad

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



35.9512, 19.1252, 70.2033



20.7678, 19.1252, 0.0000



6.2183, 19.1252, 46.0537

Complementary

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



35.9512, 19.1252, 70.2033



30.4086, 53.9773, 12.5581

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.



5.6925, 19.1252, 14.5080



35.9512, 19.1252, 70.2033



12.3394, 19.1252, 0.0727

Square

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



35.9512, 19.1252, 70.2033



31.3940, 19.1252, 0.9873



7.5095, 19.1252, 2.6117



9.3149, 19.1252, 91.5305

Rectangle

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



35.9512, 19.1252, 70.2033



41.5334, 19.1252, 12.0038



7.5095, 19.1252, 2.6117



5.7892, 19.1252, 33.1605

Sweetspot

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



35.9520, 19.1260, 70.2037



76.0370, 67.3974, 103.6092



18.0305, 12.7577, 69.9191



15.8489, 13.7124, 22.0614



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.



35.9520, 19.1260, 70.2037



45.9285, 22.1239, 96.4574



38.3715, 21.0564, 39.4561



13.3701, 13.1489, 16.4855



18.7152, 8.7722, 40.4452



1.2742, 0.6001, 2.6231

Inverse Universe

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



32.9132, 18.8730, 10.7131



42.6183, 22.3848, 7.4203



30.2081, 53.6422, 23.0202



13.1522, 13.0900, 14.0629



17.5765, 9.0316, 2.1499



1.1679, 0.5968, 0.2933

Previews

White Background



This preview shows how the XYZ color 35.9512, 19.1252, 70.2033 looks on a white background.

Color Contrast Check

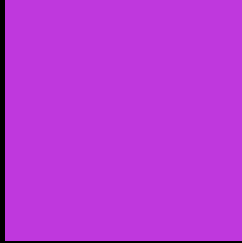
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.9512, 19.1252, 70.2033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

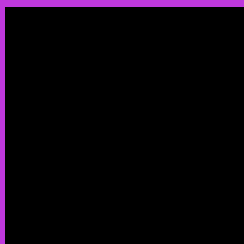
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.9512, 19.1252, 70.2033

Background



This preview shows how black text looks on a background with the XYZ color 35.9512, 19.1252, 70.2033.



This preview shows how white text looks on a background with the XYZ color 35.9512, 19.1252,

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

35.9512, 19.1252, 70.2033

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

20.1320, 19.5491, 63.6851



Tritanopia

24.6484, 18.8899, 15.9827

Trichromacy



Original Color

35.9512, 19.1252, 70.2033



Protanomaly

21.9791, 15.6227, 82.7460



Deuteranomaly

22.1930, 16.6623, 65.6648



Tritanomaly

27.4946, 18.1484, 30.0708

Monochromacy



Original Color

35.9512, 19.1252, 70.2033



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

21.1631, 16.1781, 32.5791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9512, 19.1252, 70.2033 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(191, 56, 221)` looks like.

```
.text, #text, p{  
    color:rgb(191, 56, 221)  
}
```

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(191, 56, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 56, 221) }
```

Border

The CSS property to change the border of an element to XYZ 35.9512, 19.1252, 70.2033 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(191, 56, 221) }
```


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

```
.border{ border-color:rgb(191, 56, 221) }
```

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

Here you see how a box with a 4 pixel rgb(191, 56, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 56, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 56, 221);  
box-shadow:4px 4px 4px 4px rgb(191, 56,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9512, 19.1252, 70.2033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 56, 221) }
```

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

```
.background{ background-color: rgb(191, 56,  
221) }
```

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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