

Converting Colors

XYZ(35.7655, 19.4987, 56.1583)

Have a look what the booklet for
XYZ(35.7655, 19.4987, 56.1583)
contains.

XYZ(35.6413, 19.4290, 55.9045)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.6413, 19.4290,
55.9045)**

Conversions

Conversions Part 1

Format	Color
Hex	C83AC7
RGB	200, 58, 199
RGB Percent	78%, 23%, 78%
CMY	0.2157, 0.7725, 0.2196
CMYK	0.00, 0.71, 0.01, 0.22
HSL	300°, 56%, 51%
HSV	300°, 71%, 78%
XYZ	35.6413, 19.4290, 55.9045
YIQ	116.5320, 39.3710, 73.9550

Conversions

Conversions Part 2

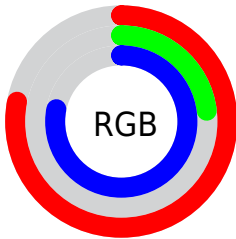
Format	Color
R _{YB}	200, 58, 199
Decimal	13122247
CIE _{Lab}	51.19, 70.97, -44.31
CIE _{LCh}	51, 83.664, 328.018
Yxy	19.4290, 0.3212, 0.1751
Android (android.graphics.Color)	4291312327 (0xFFC83AC7)
YUV	116.5320, 40.6567, 73.2014
Hunter-Lab	44.0783, 67.1962, -44.3426

Details

The XYZ color **35.6413, 19.4290, 55.9045** 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 **23.1895, 42.5248, 11.1246**, and the grayscale version is **16.6353, 17.5017, 19.0593**.

A 20% lighter version of the original color is **65.7684, 41.4369, 99.1395**, and **16.1894, 7.7644, 27.0310** is the 20% darker color. If you saturate the color by 10%, you get **34.8056, 17.7832, 55.5453**, and if you desaturate by 10%, it is **36.8699, 21.8594, 56.3950**.

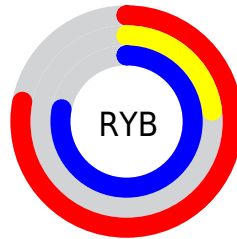
Distribution



Red (78%)

Green (23%)

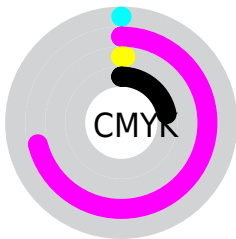
Blue (78%)



Red (78%)

Yellow (23%)

Blue (78%)

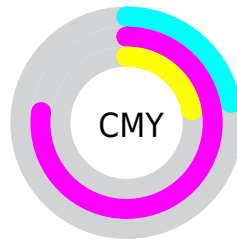


Cyan (0%)

Magenta (71%)

Yellow (1%)

Black (22%)



Cyan (22%)


Magenta (77%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6413, 19.4290, 55.9045 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 35.6413, 19.4290, 55.9045 by changing the saturation by 10% instead.

 35.6413, 19.4290,
55.9045


 35.6413, 19.4290,
55.9045


318.8487,
248.8070, 426.7097


 24.3261, 11.9807,
39.7229


 67.8056, 42.4578,
100.3493


 15.7018, 6.7305,
27.0104


 89.3853, 58.8070,
129.4496

 9.4029, 3.2941,
17.3485


 115.1174, 78.8920,
163.6932

 5.0641, 1.2872,
10.3187

 145.3670,
103.0971, 203.4987

 2.3201, 0.1312,
5.5024

 180.4996,
131.8067, 249.2845

 0.8049, 0.0000,
2.4811

220.8805,

 0.0000, 0.0000,

165.4054, 301.4692

0.8301

266.8751,
204.2773, 360.4715

■ 0.0000, 0.0000,
0.0000

■ 35.6413, 19.4290,
55.9045

■ 35.6413, 19.4290,
55.9045

■ 34.8056, 17.7832,
55.5453

■ 36.8699, 21.8594,
56.3950

■ 34.3123, 16.8228,
55.3003

■ 38.5298, 25.1529,
57.0292

■ 34.0812, 16.3841,
55.1507

■ 40.6571, 29.3813,
57.8192

■ 43.2838, 34.6084,
58.7758

■ 46.4388, 40.8922,
59.9086

■ 50.1491, 48.2863,
61.2265

■ 54.4395, 56.8408,
62.7379

■ 59.3336, 66.6026,
64.4506

■ 64.8535, 77.6161,
66.3720

Harmonies

Analogous

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



27.0518, 19.4290, 92.9056



35.6413, 19.4290, 55.9045



39.5254, 19.4290, 22.7798

Triad

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



35.6413, 19.4290, 55.9045



19.0257, 19.4290, 0.3241



7.6345, 19.4290, 50.8195

Complementary

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



35.6413, 19.4290, 55.9045



23.1895, 42.5248, 11.1246

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.



6.6449, 19.4290, 19.6091



35.6413, 19.4290, 55.9045



11.9223, 19.4290, 1.0068

Square

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



35.6413, 19.4290, 55.9045



28.3072, 19.4290, 1.2296



7.9458, 19.4290, 4.9800



11.2205, 19.4290, 88.7195

Rectangle

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



35.6413, 19.4290, 55.9045



38.2516, 19.4290, 9.9079



7.9458, 19.4290, 4.9800



7.0449, 19.4290, 38.7372

Sweetspot

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



35.6420, 19.4299, 55.9049



80.2210, 70.4391, 103.6575



13.6842, 8.0967, 55.4860



16.8245, 14.3875, 22.0632



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.



35.6420, 19.4299, 55.9049



59.7461, 29.7842, 95.9232



29.2959, 16.8914, 22.4866



11.0798, 10.8153, 13.4034



21.6712, 10.4181, 35.0742



1.0272, 0.4937, 1.6664

Inverse Universe

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



35.6420, 19.4299, 55.9049



59.7461, 29.7842, 95.9232



26.3626, 43.7940, 27.8339



11.0798, 10.8153, 13.4034



21.6712, 10.4181, 35.0742



1.0272, 0.4937, 1.6664

Previews

White Background



This preview shows how the XYZ color 35.6413, 19.4290, 55.9045 looks on a white background.

Color Contrast Check

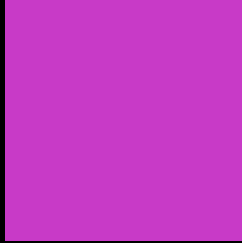
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6413, 19.4290, 55.9045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

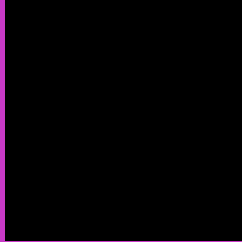
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6413, 19.4290, 55.9045

Background



This preview shows how black text looks on a background with the XYZ color 35.6413, 19.4290, 55.9045.



This preview shows how white text looks on a background with the XYZ color 35.6413, 19.4290,

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

35.6413, 19.4290, 55.9045

Protanopia

23.8910, 19.9219, 93.8529

Deuteranopia

20.1693, 19.6679, 50.8774



Tritanopia

27.0655, 19.3740, 14.1174

Trichromacy



Original Color

35.6413, 19.4290, 55.9045



Protanomaly

21.4960, 15.6084, 78.2237



Deuteranomaly

23.1407, 17.4411, 52.5989



Tritanomaly

29.2342, 18.8240, 25.0143

Monochromacy



Original Color

35.6413, 19.4290, 55.9045



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

21.4820, 16.6754, 29.6902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6413, 19.4290, 55.9045 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(200, 58, 199)` looks like.

```
.text, #text, p{  
    color:rgb(200, 58, 199)  
}
```

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(200, 58, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 58, 199) }
```

Border

The CSS property to change the border of an element to XYZ 35.6413, 19.4290, 55.9045 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(200, 58, 199) }
```


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

```
.border{ border-color:rgb(200, 58, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 58, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 58, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 58, 199);  
box-shadow:4px 4px 4px 4px rgb(200, 58,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6413, 19.4290, 55.9045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 58, 199) }
```

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

```
.background{ background-color: rgb(200, 58,  
199) }
```

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