

Converting Colors

XYZ(34.8088, 16.8002, 53.3348)

Have a look what the booklet for
XYZ(34.8088, 16.8002, 53.3348)
contains.

XYZ(34.8656, 16.8229, 53.6341)	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(34.8656, 16.8229,
53.6341)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00C4
RGB	204, 0, 196
RGB Percent	80%, 0%, 77%
CMY	0.2000, 0.9999, 0.2314
CMYK	0.00, 1.00, 0.04, 0.20
HSL	302°, 100%, 40%
HSV	302°, 100%, 80%
XYZ	34.8656, 16.8229, 53.6341
YIQ	83.3400, 58.6680, 104.2040

Conversions

Conversions Part 2

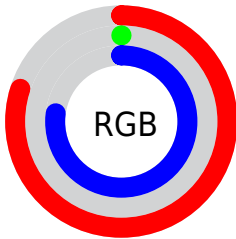
Format	Color
R_{YB}	204, 0, 196
Decimal	13369540
CIE _{Lab}	48.04, 81.91, -47.54
CIE _{LCh}	48, 94.704, 329.866
Yxy	16.8229, 0.3310, 0.1597
Android (android.graphics.Color)	4291559620 (0xFFCC00C4)
YUV	83.3400, 55.5414, 105.8188
Hunter-Lab	41.0157, 79.9572, -48.8194

Details

The XYZ color **34.8656, 16.8229, 53.6341** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **21.6375, 43.2040, 7.4294**, and the grayscale version is **8.1769, 8.6027, 9.3684**.

A 20% lighter version of the original color is **62.7968, 36.0061, 96.5686**, and **16.4848, 7.9428, 25.8636** is the 20% darker color. If you saturate the color by 10%, you get **34.8658, 16.8230, 53.6336**, and if you desaturate by 10%, it is **35.2151, 17.3752, 54.2013**.

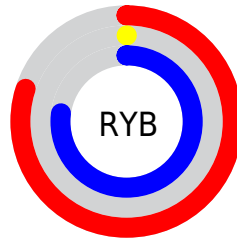
Distribution



Red (80%)

Green (0%)

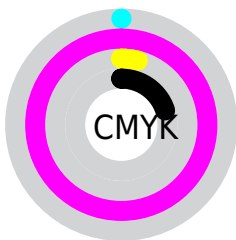
Blue (77%)



Red (80%)

Yellow (0%)

Blue (77%)

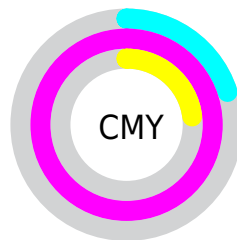


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8656, 16.8229, 53.6341 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 34.8656, 16.8229, 53.6341 by changing the saturation by 10% instead.

 34.8656, 16.8229,
53.6341

 34.8656, 16.8229,
53.6341


315.4931,
234.1497, 417.8483


 23.7254, 10.1083,
37.9180


 66.6129, 38.0210,
96.9878

 15.2537, 5.4708,
25.6177


 87.9507, 53.2733,
125.4624


 9.0851, 2.5261,
16.3147


 113.4184, 72.1404,
159.0271

 4.8543, 0.8896,
9.5903

 143.3814, 95.0065,
198.1002

 2.1959, 0.0000,
5.0262

 178.2050,
122.2561, 243.1003

 0.7406, 0.0000,
2.2036

 218.2546,

 0.0000, 0.0000,

154.2736, 294.4460

0.6765

263.8955,
191.4433, 352.5558

■ 0.0000, 0.0000,
0.0000

■ 34.8656, 16.8229,
53.6341

■ 34.8656, 16.8229,
53.6341

■ 34.8658, 16.8230,
53.6336

■ 35.2151, 17.3752,
54.2013

■ 35.8362, 18.4705,
54.8613

■ 36.8225, 20.2954,
55.6455

■ 38.2238, 22.9495,
56.5704

■ 40.0820, 26.5166,
57.6500

■ 42.4340, 31.0704,
58.8966

■ 45.3128, 36.6772,
60.3213

■ 48.7487, 43.3975,
61.9341

■ 52.7697, 51.2870,
63.7443

Harmonies

Analogous

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



25.6656, 16.8229, 97.1393



34.8656, 16.8229, 53.6341



38.7412, 16.8229, 18.4280

Triad

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



34.8656, 16.8229, 53.6341



16.0283, 16.8229, 0.0000



5.5424, 16.8229, 53.2434

Complementary

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



34.8656, 16.8229, 53.6341



21.6375, 43.2040, 7.4294

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.



4.5323, 16.8229, 18.2070



34.8656, 16.8229, 53.6341



9.1144, 16.8229, 0.0485

Square

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



34.8656, 16.8229, 53.6341



25.7574, 16.8229, 0.0640



5.5615, 16.8229, 3.3810



9.0685, 16.8229, 96.8036

Rectangle

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



34.8656, 16.8229, 53.6341



37.0012, 16.8229, 6.5149



5.5615, 16.8229, 3.3810



4.9682, 16.8229, 39.4576

Sweetspot

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



34.8663, 16.8237, 53.6344



74.8307, 60.3284, 99.7955



10.9850, 4.4044, 57.3985



15.5608, 12.0236, 21.1378



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.



34.8663, 16.8237, 53.6344



57.7211, 27.8524, 88.7183



26.9779, 13.6683, 12.0946



11.6678, 11.3959, 14.0513



21.9531, 10.5918, 33.8015



1.1386, 0.5488, 1.7757

Inverse Universe

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



34.8663, 16.8237, 53.6344



57.7211, 27.8524, 88.7183



24.3438, 44.2865, 21.6809



11.6678, 11.3959, 14.0513



21.9531, 10.5918, 33.8015



1.1386, 0.5488, 1.7757

Previews

White Background



This preview shows how the XYZ color 34.8656, 16.8229, 53.6341 looks on a white background.

Color Contrast Check

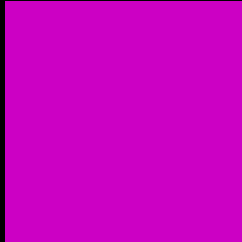
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.8656, 16.8229, 53.6341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

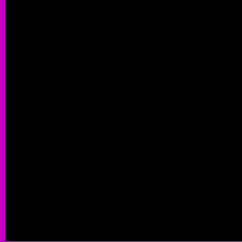
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.8656, 16.8229, 53.6341

Background



This preview shows how black text looks on a background with the XYZ color 34.8656, 16.8229, 53.6341.



This preview shows how white text looks on a background with the XYZ color 34.8656, 16.8229,

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

34.8656, 16.8229, 53.6341

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.9577, 17.5293, 47.7844



Tritanopia

25.9151, 17.1234, 9.9219

Trichromacy



Original Color

34.8656, 16.8229, 53.6341



Protanomaly

18.2621, 11.2362, 70.3135



Deuteranomaly

19.6943, 12.7394, 48.9979



Tritanomaly

27.4384, 15.3624, 20.2580

Monochromacy



Original Color

34.8656, 16.8229, 53.6341



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.6636, 8.5135, 19.9919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8656, 16.8229, 53.6341 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(204, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 196)  
}
```

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(204, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 196) }
```

Border

The CSS property to change the border of an element to XYZ 34.8656, 16.8229, 53.6341 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(204, 0, 196) }
```


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

```
.border{ border-color:rgb(204, 0, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8656, 16.8229, 53.6341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 196) }
```

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

```
.background{ background-color: rgb(204, 0,  
196) }
```

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