

Converting Colors

XYZ(33.9035, 16.9240, 54.9067)

Have a look what the booklet for
XYZ(33.9035, 16.9240, 54.9067)
contains.

XYZ(33.8970, 16.9135, 54.9041)	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(33.8970, 16.9135,
54.9041)**

Conversions

Conversions Part 1

Format	Color
Hex	C61CC6
RGB	198, 28, 198
RGB Percent	78%, 11%, 78%
CMY	0.2235, 0.8901, 0.2235
CMYK	0.00, 0.86, 0.00, 0.22
HSL	300°, 75%, 44%
HSV	300°, 86%, 78%
XYZ	33.8970, 16.9135, 54.9041
YIQ	98.2100, 46.7500, 88.9100

Conversions

Conversions Part 2

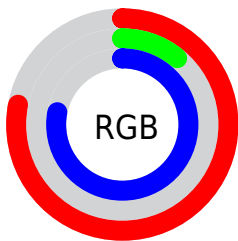
Format	Color
R _Y B	198, 28, 198
Decimal	12983494
CIE Lab	48.15, 78.06, -48.58
CIE LCh	48, 91.948, 328.104
Yxy	16.9135, 0.3206, 0.1600
Android (android.graphics.Color)	4291173574 (0xFFC61CC6)
YUV	98.2100, 49.1965, 87.5158
Hunter-Lab	41.1260, 75.1532, -50.3652

Details

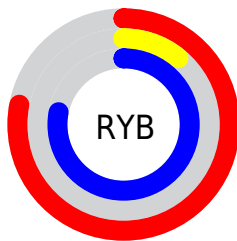
The XYZ color **33.8970, 16.9135, 54.9041** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed magenta. A complement of this color would be **20.8834, 40.7197, 7.8585**, and the grayscale version is **11.5368, 12.1376, 13.2178**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **15.6054, 7.4721, 26.6064** is the 20% darker color. If you saturate the color by 10%, you get **33.5713, 16.2615, 54.7956**, and if you desaturate by 10%, it is **34.5315, 18.1818, 55.1158**.

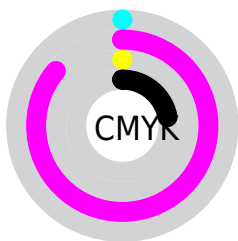
Distribution



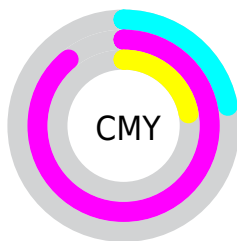
- Red (78%)
- Green (11%)
- Blue (78%)



- Red (78%)
- Yellow (11%)
- Blue (78%)



- Cyan (0%)
- Magenta (86%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (89%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8970, 16.9135, 54.9041 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 33.8970, 16.9135, 54.9041 by changing the saturation by 10% instead.

 33.8970, 16.9135,
54.9041


 33.8970, 16.9135,
54.9041


311.2665,
234.6734, 422.8200


 22.9770, 10.1728,
38.9269


 65.1188, 38.1770,
98.8702

 14.6971, 5.5137,
26.3954


 86.1513, 53.4686,
127.6961


 8.6920, 2.5517,
16.8913


 111.2854, 72.3793,
161.6420

 4.5963, 0.9025,
9.9959

 140.8864, 95.2936,
201.1264

 2.0447, 0.0000,
5.2907

 175.3197,
122.5957, 246.5679

 0.6589, 0.0000,
2.3571

 214.9505,

 0.0000, 0.0000,

154.6701, 298.3849

0.7629

260.1444,
191.9012, 356.9961

■ 0.0000, 0.0000,
0.0000

■ 33.8970, 16.9135,
54.9041

■ 33.8970, 16.9135,
54.9041

■ 33.5713, 16.2615,
54.7956

■ 34.5315, 18.1818,
55.1158

■ 33.4821, 16.0832,
54.7658

■ 35.5259, 20.1708,
55.4473

■ 36.9239, 22.9667,
55.9134

■ 38.7621, 26.6431,
56.5262

■ 41.0733, 31.2654,
57.2966

■ 43.8869, 36.8927,
58.2346

■ 47.2302, 43.5793,
59.3491

■ 51.1284, 51.3756,
60.6486

■ 55.6051, 60.3289,
62.1408

Harmonies

Analogous

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



24.8756, 16.9135, 95.8998



33.8970, 16.9135, 54.9041



38.0210, 16.9135, 19.9776

Triad

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



33.8970, 16.9135, 54.9041



16.6122, 16.9135, 0.0000



5.6733, 16.9135, 49.6307

Complementary

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



33.8970, 16.9135, 54.9041



20.8834, 40.7197, 7.8585

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.



4.7844, 16.9135, 16.9378



33.8970, 16.9135, 54.9041



9.6428, 16.9135, 0.1337

Square

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



33.8970, 16.9135, 54.9041



26.1254, 16.9135, 0.3463



5.9424, 16.9135, 3.2471



9.0038, 16.9135, 91.4067

Rectangle

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



33.8970, 16.9135, 54.9041



36.6442, 16.9135, 7.5133



5.9424, 16.9135, 3.2471



5.1430, 16.9135, 36.6923

Sweetspot

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



33.8977, 16.9143, 54.9044



77.4231, 64.7462, 103.0240



11.0880, 5.1554, 53.8376



16.1782, 13.0712, 21.9202



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.



33.8977, 16.9143, 54.9044



59.2898, 28.4799, 96.9787



26.6856, 14.0295, 16.9263



11.0832, 10.8166, 13.4212



21.7740, 10.4591, 35.6151



1.0310, 0.4952, 1.6864

Inverse Universe

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



33.8977, 16.9143, 54.9044



59.2898, 28.4799, 96.9787



23.6546, 41.8282, 22.4518



11.0832, 10.8166, 13.4212



21.7740, 10.4591, 35.6151



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 33.8970, 16.9135, 54.9041 looks on a white background.

Color Contrast Check

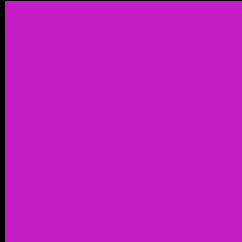
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8970, 16.9135, 54.9041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

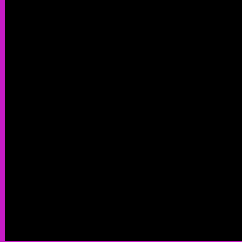
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.8970, 16.9135, 54.9041

Background



This preview shows how black text looks on a background with the XYZ color 33.8970, 16.9135, 54.9041.



This preview shows how white text looks on a background with the XYZ color 33.8970, 16.9135,

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

33.8970, 16.9135, 54.9041

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.8875, 17.4564, 49.4403



Tritanopia

24.8718, 16.9958, 10.7737

Trichromacy



Original Color

33.8970, 16.9135, 54.9041



Protanomaly

18.7997, 12.5365, 70.5362



Deuteranomaly

20.0455, 13.9538, 50.9271



Tritanomaly

26.7886, 15.9247, 21.7405

Monochromacy



Original Color

33.8970, 16.9135, 54.9041



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

16.5171, 11.5547, 23.9140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8970, 16.9135, 54.9041 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(198, 28, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 28, 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(198, 28, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 28, 198) }
```

Border

The CSS property to change the border of an element to XYZ 33.8970, 16.9135, 54.9041 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(198, 28, 198) }
```


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

```
.border{ border-color:rgb(198, 28, 198) }
```

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

Here you see how a box with a 4 pixel rgb(198, 28, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 28, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 28, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 28,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8970, 16.9135, 54.9041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 28, 198) }
```

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

```
.background{ background-color: rgb(198, 28,  
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](#).

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