

Converting Colors

XYZ(33.0180, 15.8879, 52.7567)

Have a look what the booklet for
XYZ(33.0180, 15.8879, 52.7567)
contains.

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Color

**XYZ(33.1390, 15.9459,
52.9610)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C600C3 |
| RGB | 198, 0, 195 |
| RGB Percent | 78%, 0%, 76% |
| CMY | 0.2235, 0.9999, 0.2353 |
| CMYK | 0.00, 1.00, 0.02, 0.22 |
| HSL | 301°, 100%, 39% |
| HSV | 301°, 100%, 78% |
| XYZ | 33.1390, 15.9459, 52.9610 |
| YIQ | 81.4320, 55.4130, 102.6210 |

Conversions

Conversions Part 2

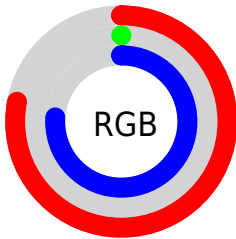
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 198, 0, 195 |
| Decimal | 12976323 |
| CIELab | 46.90, 80.78, -48.83 |
| CIElCh | 47, 94.393, 328.846 |
| Yxy | 15.9459, 0.3247, 0.1563 |
| Android (android.graphics.Color) | 4291166403 (0xFFC600C3) |
| YUV | 81.4320, 55.9890, 102.2301 |
| Hunter-Lab | 39.9323, 78.2519, -50.6819 |

Details

The XYZ color **33.1390, 15.9459, 52.9610** 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 **20.2113, 40.3955, 6.8188**, and the grayscale version is **7.7946, 8.2005, 8.9304**.

A 20% lighter version of the original color is **62.5518, 35.7704, 95.7030**, and **15.3811, 7.3824, 25.4252** is the 20% darker color. If you saturate the color by 10%, you get **33.1393, 15.9460, 52.9610**, and if you desaturate by 10%, it is **33.4205, 16.4539, 53.2225**.

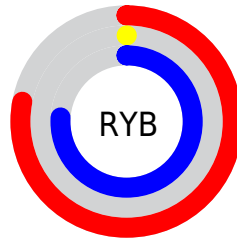
Distribution



Red (78%)

Green (0%)

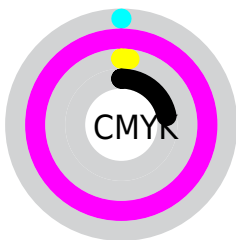
Blue (76%)



Red (78%)

Yellow (0%)

Blue (76%)

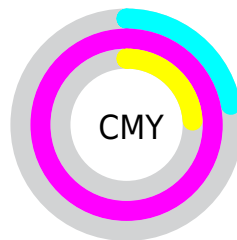


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1390, 15.9459, 52.9610 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 33.1390, 15.9459, 52.9610 by changing the saturation by 10% instead.


 33.1390, 15.9459,
52.9610


 33.1390, 15.9459,
52.9610


307.9295,
229.0223, 415.1975


 22.3927, 9.4859,
37.3841


 63.9457, 36.5043,
95.9879


 14.2639, 5.0594,
25.2069


 84.7368, 51.3714,
124.2751

 8.3874, 2.2822,
16.0109


 109.6069, 69.8097,
157.6361

 4.3977, 0.7643,
9.3774

 138.9213, 92.2035,
196.4895

 1.9295, 0.0000,
4.8880

 173.0455,
118.9373, 241.2537

 0.5939, 0.0000,
2.1241

 212.3446,

 0.0000, 0.0000,

150.3954, 292.3475

0.6301

257.1842,
186.9623, 350.1892

■ 0.0000, 0.0000,
0.0000

■ 33.1390, 15.9459,
52.9610

■ 33.1390, 15.9459,
52.9610

■ 33.1393, 15.9460,
52.9610

■ 33.4205, 16.4539,
53.2225

■ 33.9537, 17.4659,
53.5682

■ 34.8275, 19.1590,
54.0277

■ 36.0881, 21.6254,
54.6165

■ 37.7744, 24.9432,
55.3476

■ 39.9206, 29.1807,
56.2323

■ 42.5575, 34.3994,
57.2808

■ 45.7131, 40.6556,
58.5027

■ 49.4134, 48.0010,
59.9064

Harmonies

Analogous

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



24.1474, 15.9459, 95.0364



33.1390, 15.9459, 52.9610



37.1298, 15.9459, 18.2919

Triad

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



33.1390, 15.9459, 52.9610



15.4773, 15.9459, 0.0000



5.0892, 15.9459, 49.7028

Complementary

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



33.1390, 15.9459, 52.9610



20.2113, 40.3955, 6.8188

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.



4.1995, 15.9459, 16.4649



33.1390, 15.9459, 52.9610



8.7301, 15.9459, 0.0000

Square

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



33.1390, 15.9459, 52.9610



24.9088, 15.9459, 0.0062



5.2448, 15.9459, 2.8844



8.3533, 15.9459, 92.2277

Rectangle

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



33.1390, 15.9459, 52.9610



35.6146, 15.9459, 6.4498



5.2448, 15.9459, 2.8844



4.5691, 15.9459, 36.5087

Sweetspot

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



33.1397, 15.9467, 52.9613



75.1239, 60.4457, 101.3398



10.1938, 4.0780, 53.6766



15.6323, 12.0522, 21.5142



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.



33.1397, 15.9467, 52.9613



58.6739, 28.2335, 93.7355



25.5421, 12.9076, 12.9531



11.0759, 10.8138, 13.3830



21.5542, 10.3712, 34.4576



1.0229, 0.4920, 1.6436

Inverse Universe

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



33.1397, 15.9467, 52.9613



58.6739, 28.2335, 93.7355



22.4475, 41.2900, 18.5946



11.0759, 10.8138, 13.3830



21.5542, 10.3712, 34.4576



1.0229, 0.4920, 1.6436

Previews

White Background



This preview shows how the XYZ color 33.1390, 15.9459, 52.9610 looks on a white background.

Color Contrast Check

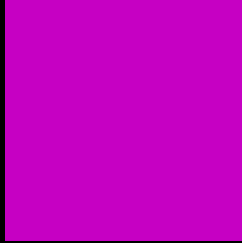
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1390, 15.9459, 52.9610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

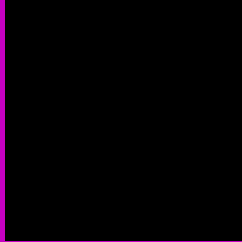
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.1390, 15.9459, 52.9610

Background



This preview shows how black text looks on a background with the XYZ color 33.1390, 15.9459, 52.9610.



This preview shows how white text looks on a background with the XYZ color 33.1390, 15.9459,

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

33.1390, 15.9459, 52.9610

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

17.0509, 16.5687, 47.0992



Tritanopia

24.4266, 16.3561, 9.8523

Trichromacy



Original Color

33.1390, 15.9459, 52.9610



Protanomaly

17.4555, 10.6959, 67.4742



Deuteranomaly

18.6231, 12.0045, 48.3493



Tritanomaly

25.9087, 14.5738, 20.1864

Monochromacy



Original Color

33.1390, 15.9459, 52.9610



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0530, 8.1462, 19.2968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1390, 15.9459, 52.9610 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, 0, 195)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 195)  
}
```

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, 0, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 195) }
```

Border

The CSS property to change the border of an element to XYZ 33.1390, 15.9459, 52.9610 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, 0, 195) }
```


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

```
.border{ border-color:rgb(198, 0, 195) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1390, 15.9459, 52.9610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 195) }
```

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

```
.background{ background-color: rgb(198, 0,  
195) }
```

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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