

Converting Colors

XYZ(34.7220, 16.7660, 52.8745)

Have a look what the booklet for
XYZ(34.7220, 16.7660, 52.8745)
contains.

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Color

**XYZ(34.7522, 16.7775,
53.0365)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00C3
RGB	204, 0, 195
RGB Percent	80%, 0%, 76%
CMY	0.2000, 0.9999, 0.2353
CMYK	0.00, 1.00, 0.04, 0.20
HSL	303°, 100%, 40%
HSV	303°, 100%, 80%
XYZ	34.7522, 16.7775, 53.0365
YIQ	83.2260, 58.9890, 103.8930

Conversions

Conversions Part 2

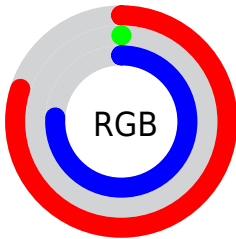
Format	Color
R_YB	204, 0, 195
Decimal	13369539
CIE Lab	47.98, 81.77, -47.05
CIE LCh	48, 94.338, 330.080
Yxy	16.7775, 0.3323, 0.1604
Android (android.graphics.Color)	4291559619 (0xFFCC00C3)
YUV	83.2260, 55.1046, 105.9188
Hunter-Lab	40.9603, 79.7651, -48.0980

Details

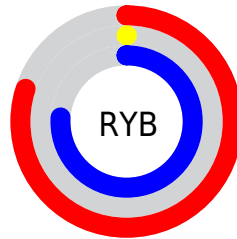
The XYZ color **34.7522, 16.7775, 53.0365** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **21.6430, 43.2063, 7.4582**, and the grayscale version is **8.1543, 8.5789, 9.3425**.

A 20% lighter version of the original color is **62.6378, 35.9426, 95.7317**, and **16.4107, 7.9132, 25.4734** is the 20% darker color. If you saturate the color by 10%, you get **34.7524, 16.7776, 53.0360**, and if you desaturate by 10%, it is **35.1125, 17.3341, 53.6604**.

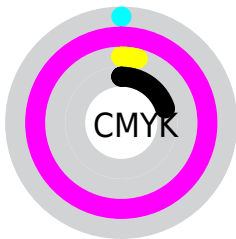
Distribution



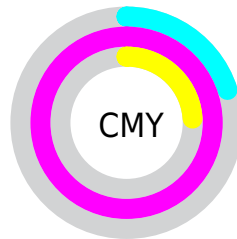
- Red (80%)
- Green (0%)
- Blue (76%)



- Red (80%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7522, 16.7775, 53.0365 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 34.7522, 16.7775, 53.0365 by changing the saturation by 10% instead.


 34.7522, 16.7775,
53.0365

 34.7522, 16.7775,
53.0365


315.0004,
233.8869, 415.4954

 23.6377, 10.0760,
37.4440


 66.4383, 37.9428,
96.1002


 15.1883, 5.4494,
25.2530


 87.7405, 53.1754,
124.4084

 9.0389, 2.5133,
16.0449


 113.1694, 72.0205,
157.7923

 4.8238, 0.8833,
9.4012

 143.0902, 94.8624,
196.6704

 2.1780, 0.0000,
4.9034

 177.8684,
122.0857, 241.4612

 0.7311, 0.0000,
2.1330

 217.8692,

 0.0000, 0.0000,

154.0746, 292.5833

0.6353

263.4581,
191.2135, 350.4552

■ 0.0000, 0.0000,
0.0000

■ 34.7522, 16.7775,
53.0365

■ 34.7522, 16.7775,
53.0365

■ 34.7524, 16.7776,
53.0360

■ 35.1125, 17.3341,
53.6604

■ 35.7444, 18.4337,
54.3778

■ 36.7417, 20.2629,
55.2201

■ 38.1541, 22.9212,
56.2037

■ 40.0235, 26.4927,
57.3427

■ 42.3868, 31.0510,
58.6494

■ 45.2771, 36.6623,
60.1349

■ 48.7247, 43.3871,
61.8091

■ 52.7574, 51.2813,
63.6815

Harmonies

Analogous

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



25.6359, 16.7775, 96.2441



34.7522, 16.7775, 53.0365



38.5489, 16.7775, 18.2024

Triad

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



34.7522, 16.7775, 53.0365



15.9236, 16.7775, 0.0000



5.5635, 16.7775, 53.2678

Complementary

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



34.7522, 16.7775, 53.0365



21.6430, 43.2063, 7.4582

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.



4.5411, 16.7775, 18.3334



34.7522, 16.7775, 53.0365



9.0700, 16.7775, 0.0761

Square

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



34.7522, 16.7775, 53.0365



25.5815, 16.7775, 0.0668



5.5521, 16.7775, 3.4444



9.0972, 16.7775, 96.4426

Rectangle

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



34.7522, 16.7775, 53.0365



36.7847, 16.7775, 6.4385



5.5521, 16.7775, 3.4444



4.9854, 16.7775, 39.5473

Sweetspot

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



34.7529, 16.7783, 53.0368



74.7712, 60.3046, 99.4826



10.9850, 4.4044, 57.3987



15.5463, 12.0178, 21.0616



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.



34.7529, 16.7783, 53.0368



57.5308, 27.7763, 87.7161



26.9779, 13.6683, 12.0942



11.6653, 11.3949, 14.0383



21.8827, 10.5637, 33.4304



1.1357, 0.5477, 1.7603

Inverse Universe

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



34.7529, 16.7783, 53.0368



57.5308, 27.7763, 87.7161



24.3438, 44.2867, 21.6806



11.6653, 11.3949, 14.0383



21.8827, 10.5637, 33.4304



1.1357, 0.5477, 1.7603

Previews

White Background



This preview shows how the XYZ color 34.7522, 16.7775, 53.0365 looks on a white background.

Color Contrast Check

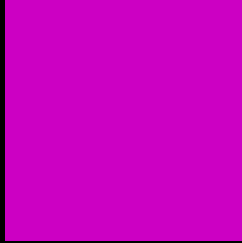
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7522, 16.7775, 53.0365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

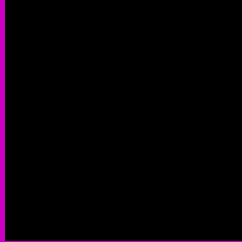
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.7522, 16.7775, 53.0365

Background



This preview shows how black text looks on a background with the XYZ color 34.7522, 16.7775, 53.0365.



This preview shows how white text looks on a background with the XYZ color 34.7522, 16.7775,

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

34.7522, 16.7775, 53.0365

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.9345, 17.5294, 47.2380



Tritanopia

25.8773, 17.1083, 9.7229

Trichromacy



Original Color

34.7522, 16.7775, 53.0365



Protanomaly

18.2621, 11.2362, 70.3135



Deuteranomaly

19.7306, 12.7705, 48.4387



Tritanomaly

27.3761, 15.3375, 19.9299

Monochromacy



Original Color

34.7522, 16.7775, 53.0365



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 34.7522, 16.7775, 53.0365 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 0, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 195) }
```

Border

The CSS property to change the border of an element to XYZ 34.7522, 16.7775, 53.0365 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, 195) }
```


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

```
.border{ border-color:rgb(204, 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(204, 0, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7522, 16.7775, 53.0365 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, 195) }
```

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

```
.background{ background-color: rgb(204, 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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