

Converting Colors

XYZ(34.6399, 17.1530, 33.4519)

Have a look what the booklet for
XYZ(34.6399, 17.1530, 33.4519)
contains.

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Color

**XYZ(34.7011, 17.1860,
33.3866)**

Conversions

Conversions Part 1

Format	Color
Hex	D9009D
RGB	217, 0, 157
RGB Percent	85%, 0%, 62%
CMY	0.1490, 0.9999, 0.3843
CMYK	0.00, 1.00, 0.28, 0.15
HSL	317°, 100%, 43%
HSV	317°, 100%, 85%
XYZ	34.7011, 17.1860, 33.3866
YIQ	82.7810, 78.9350, 94.8310

Conversions

Conversions Part 2

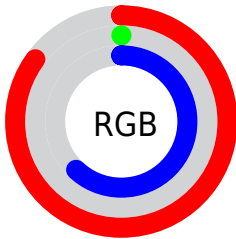
Format	Color
R_{YB}	217, 0, 157
Decimal	14221469
CIE _{Lab}	48.49, 79.37, -23.67
CIE _{LCh}	48, 82.824, 343.394
Yxy	17.1860, 0.4069, 0.2015
Android (android.graphics.Color)	4292411549 (0xFFD9009D)
YUV	82.7810, 36.5900, 117.7101
Hunter-Lab	41.4560, 76.8670, -18.7300

Details

The XYZ color **34.7011, 17.1860, 33.3866** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **25.6301, 49.9528, 12.5712**, and the grayscale version is **8.0989, 8.5206, 9.2790**.

A 20% lighter version of the original color is **57.0380, 33.8422, 65.8133**, and **16.4544, 8.1880, 14.0778** is the 20% darker color. If you saturate the color by 10%, you get **34.7004, 17.1858, 33.3821**, and if you desaturate by 10%, it is **35.5083, 17.9600, 36.2461**.

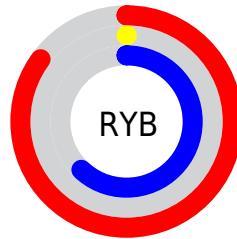
Distribution



Red (85%)

Green (0%)

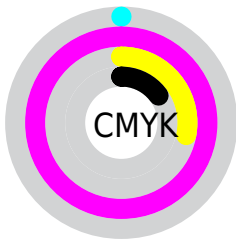
Blue (62%)



Red (85%)

Yellow (0%)

Blue (62%)

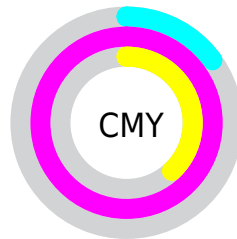


Cyan (0%)

Magenta (100%)

Yellow (28%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7011, 17.1860, 33.3866 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 34.7011, 17.1860, 33.3866 by changing the saturation by 10% instead.

 34.7011, 17.1860,
33.3866


 34.7011, 17.1860,
33.3866


314.7782,
236.2420, 332.0735

 23.5982, 10.3672,
22.1492


 66.3595, 38.6453,
66.1016


 15.1589, 5.6431,
13.7672


 87.6458, 54.0546,
88.4163


 9.0180, 2.6293,
7.8221


 113.0571, 73.0961,
115.2605

 4.8102, 0.9414,
3.8952

 142.9589, 96.1544,
147.0528

 2.1699, 0.0000,
1.5680

 177.7166,
123.6137, 184.2117

 0.7268, 0.0000,
0.2678

 217.6955,

 0.0000, 0.0000,

155.8585, 227.1558

0.0000

263.2609,
193.2731, 276.3035

■ 34.7011, 17.1860,
33.3866

■ 34.7011, 17.1860,
33.3866

■ 34.7004, 17.1858,
33.3821

■ 35.5083, 17.9600,
36.2461

■ 36.6570, 19.3762,
39.3453

■ 38.2518, 21.6435,
42.7208

■ 40.3515, 24.8783,
46.3938

■ 43.0051, 29.1788,
50.3823

■ 46.2561, 34.6310,
54.7025

■ 50.1433, 41.3121,
59.3687

■ 54.7022, 49.2925,
64.3945

■ 59.9655, 58.6374,
69.7921

Harmonies

Analogous

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



28.5587, 17.1860, 68.5085



34.7011, 17.1860, 33.3866



35.0522, 17.1860, 10.6015

Triad

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



34.7011, 17.1860, 33.3866



13.1806, 17.1860, 0.2124



7.8567, 17.1860, 64.6474

Complementary

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



34.7011, 17.1860, 33.3866



25.6301, 49.9528, 12.5712

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.



5.8505, 17.1860, 30.1664



34.7011, 17.1860, 33.3866



8.2172, 17.1860, 1.8067

Square

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



34.7011, 17.1860, 33.3866



20.8727, 17.1860, 0.2964



5.9579, 17.1860, 9.1260



12.5074, 17.1860, 94.1896

Rectangle

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



34.7011, 17.1860, 33.3866



31.8083, 17.1860, 3.8439



5.9579, 17.1860, 9.1260



6.9257, 17.1860, 52.4516

Sweetspot

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



34.7017, 17.1869, 33.3869



72.0890, 59.2317, 85.3580



14.2636, 5.9070, 66.0343



14.8977, 11.7583, 17.6457



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.



34.7017, 17.1869, 33.3869



49.9422, 24.7409, 47.7554



29.2059, 14.9887, 4.4469



13.4528, 13.2102, 15.6455



21.0525, 10.4220, 20.4542



1.3996, 0.6895, 1.5134

Inverse Universe

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



34.7017, 17.1869, 33.3869



49.9422, 24.7409, 47.7554



31.7309, 52.3932, 44.6979



13.4528, 13.2102, 15.6455



21.0525, 10.4220, 20.4542



1.3996, 0.6895, 1.5134

Previews

White Background



This preview shows how the XYZ color 34.7011, 17.1860, 33.3866 looks on a white background.

Color Contrast Check

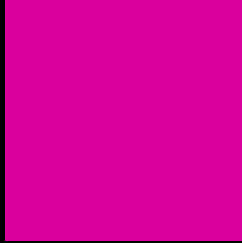
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7011, 17.1860, 33.3866 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 34.7011, 17.1860, 33.3866

Background



This preview shows how black text looks on a background with the XYZ color 34.7011, 17.1860, 33.3866.



This preview shows how white text looks on a background with the XYZ color 34.7011, 17.1860,

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

34.7011, 17.1860, 33.3866

Protanopia

21.0474, 18.2287, 72.9302

Deuteranopia

18.2072, 17.8788, 30.0951



Tritanopia

29.2551, 17.5285, 6.8425

Trichromacy



Original Color

34.7011, 17.1860, 33.3866



Protanomaly

19.7473, 12.5126, 56.0180



Deuteranomaly

20.7310, 13.5788, 30.8065



Tritanomaly

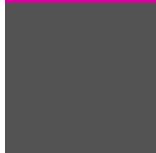
30.3707, 16.4790, 13.1353

Monochromacy



Original Color

34.7011, 17.1860, 33.3866



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.6033, 8.5775, 15.6905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7011, 17.1860, 33.3866 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(217, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 157)  
}
```

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(217, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 157) }
```

Border

The CSS property to change the border of an element to XYZ 34.7011, 17.1860, 33.3866 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(217, 0, 157) }
```


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

```
.border{ border-color:rgb(217, 0, 157) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7011, 17.1860, 33.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 157) }
```

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

```
.background{ background-color: rgb(217, 0,  
157) }
```

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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