

Converting Colors

XYZ(34.1173, 15.1002, 36.9788)

Have a look what the booklet for
XYZ(34.1173, 15.1002, 36.9788)
contains.

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Color

**XYZ(35.2018, 17.3521,
37.5703)**

Conversions

Conversions Part 1

Format	Color
Hex	D800A6
RGB	216, 0, 166
RGB Percent	85%, 0%, 65%
CMY	0.1529, 0.9998, 0.3490
CMYK	0.00, 1.00, 0.23, 0.15
HSL	314°, 100%, 42%
HSV	314°, 100%, 85%
XYZ	35.2018, 17.3521, 37.5703
YIQ	83.5080, 75.4500, 97.4180

Conversions

Conversions Part 2

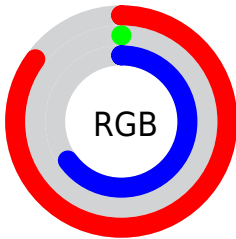
Format	Color
R_{YB}	216, 0, 166
Decimal	14155942
CIE _{Lab}	48.70, 80.19, -28.73
CIE _{LCh}	49, 85.178, 340.291
Yxy	17.3521, 0.3906, 0.1925
Android (android.graphics.Color)	4292346022 (0xFFD800A6)
YUV	83.5080, 40.6686, 116.1955
Hunter-Lab	41.6559, 77.9459, -24.3158

Details

The XYZ color **35.2018, 17.3521, 37.5703** 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 **25.1330, 49.3428, 11.2216**, and the grayscale version is **8.2389, 8.6680, 9.4394**.

A 20% lighter version of the original color is **58.2055, 34.3092, 71.9612**, and **16.7476, 8.2828, 16.6356** is the 20% darker color. If you saturate the color by 10%, you get **35.2011, 17.3518, 37.5660**, and if you desaturate by 10%, it is **35.9499, 18.0994, 40.1274**.

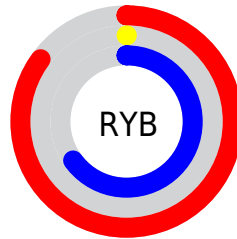
Distribution



Red (85%)

Green (0%)

Blue (65%)



Red (85%)

Yellow (0%)

Blue (65%)

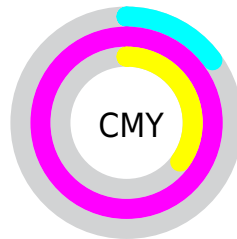


Cyan (0%)

Magenta (100%)

Yellow (23%)

Black (15%)



Cyan (15%)

Magenta (100%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2018, 17.3521, 37.5703 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 35.2018, 17.3521, 37.5703 by changing the saturation by 10% instead.

 35.2018, 17.3521,
37.5703


 35.2018, 17.3521,
37.5703

316.9506,
237.1933, 351.0158

 23.9856, 10.4858,
25.3501


 67.1302, 38.9302,
72.6451


 15.4476, 5.7223,
16.1167


 88.5732, 54.4108,
96.3369


 9.2225, 2.6769,
9.4515


 114.1558, 73.5316,
124.6896

 4.9449, 0.9655,
4.9360

 144.2433, 96.6771,
158.1217

 2.2494, 0.0000,
2.1517

 179.2013,
124.2316, 197.0519

 0.7686, 0.0000,
0.6463

 219.3949,

 0.0000, 0.0000,

156.5796, 241.8986

0.0000

265.1895,
194.1054, 293.0804

■ 35.2018, 17.3521,
37.5703

■ 35.2018, 17.3521,
37.5703

■ 35.2011, 17.3518,
37.5660

■ 35.9499, 18.0994,
40.1274

■ 37.0283, 19.4789,
42.8836

■ 38.5409, 21.6976,
45.8744

■ 40.5454, 24.8704,
49.1201

■ 43.0903, 29.0944,
52.6377

■ 46.2183, 34.4545,
56.4424

■ 49.9677, 41.0269,
60.5479

■ 54.3735, 48.8815,
64.9667

■ 59.4679, 58.0824,
69.7104

Harmonies

Analogous

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



28.3222, 17.3521, 74.8653



35.2018, 17.3521, 37.5703



36.2772, 17.3521, 12.1686

Triad

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



35.2018, 17.3521, 37.5703



13.9376, 17.3521, 0.0111



7.4427, 17.3521, 62.9745

Complementary

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



35.2018, 17.3521, 37.5703



25.1330, 49.3428, 11.2216

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.



5.6446, 17.3521, 27.7277



35.2018, 17.3521, 37.5703



8.5234, 17.3521, 1.3757

Square

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



35.2018, 17.3521, 37.5703



22.1320, 17.3521, 0.2642



5.9647, 17.3521, 7.7337



11.9032, 17.3521, 95.9426

Rectangle

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



35.2018, 17.3521, 37.5703



33.2852, 17.3521, 4.3919



5.9647, 17.3521, 7.7337



6.5827, 17.3521, 50.2096

Sweetspot

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



35.2024, 17.3530, 37.5706



72.5883, 59.4314, 87.9874



13.5597, 5.5591, 65.3243



15.0177, 11.8063, 18.2778



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.



35.2024, 17.3530, 37.5706



51.1994, 25.2438, 54.3755



29.1679, 14.9392, 5.7935



12.8243, 12.5812, 15.0150



20.8786, 10.2878, 22.4627



1.2899, 0.6328, 1.5161

Inverse Universe

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



35.2024, 17.3530, 37.5706



51.1994, 25.2438, 54.3755



30.4570, 51.4724, 39.2573



12.8243, 12.5812, 15.0150



20.8786, 10.2878, 22.4627



1.2899, 0.6328, 1.5161

Previews

White Background



This preview shows how the XYZ color 35.2018, 17.3521, 37.5703 looks on a white background.

Color Contrast Check

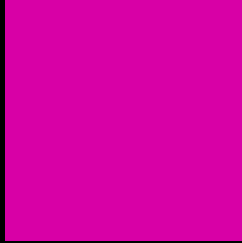
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.2018, 17.3521, 37.5703 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 35.2018, 17.3521, 37.5703

Background



This preview shows how black text looks on a background with the XYZ color 35.2018, 17.3521, 37.5703.



This preview shows how white text looks on a background with the XYZ color 35.2018, 17.3521,

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

35.2018, 17.3521, 37.5703

Protanopia

21.8173, 18.4308, 81.7645

Deuteranopia

18.3461, 18.0455, 33.5265



Tritanopia

28.9769, 17.6202, 7.5040

Trichromacy



Original Color

35.2018, 17.3521, 37.5703



Protanomaly

19.3959, 12.1776, 62.9562



Deuteranomaly

20.7394, 13.6038, 34.3336



Tritanomaly

30.1556, 16.4342, 14.6795

Monochromacy



Original Color

35.2018, 17.3521, 37.5703



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.8261, 8.6666, 16.8637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2018, 17.3521, 37.5703 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(216, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 166)  
}
```

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(216, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 35.2018, 17.3521, 37.5703 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(216, 0, 166) }
```


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

```
.border{ border-color:rgb(216, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(216, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2018, 17.3521, 37.5703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 166) }
```

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

```
.background{ background-color: rgb(216, 0,  
166) }
```

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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