

# Converting Colors

XYZ(35.5001, 17.9227, 30.4540)

Have a look what the booklet for  
XYZ(35.5001, 17.9227, 30.4540)  
contains.

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# Color

**XYZ(35.4946, 17.9158,  
30.4415)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD0F96
RGB	221, 15, 150
RGB Percent	87%, 6%, 59%
CMY	0.1333, 0.9410, 0.4118
CMYK	0.00, 0.93, 0.32, 0.13
HSL	321°, 87%, 46%
HSV	321°, 93%, 87%
XYZ	35.4946, 17.9158, 30.4415
YIQ	91.9840, 79.4410, 85.6570

# Conversions

## Conversions Part 2

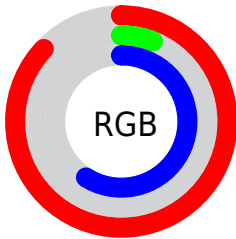
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 15, 150
Decimal	14487446
CIE <sub>Lab</sub>	49.39, 78.19, -18.03
CIE <sub>LCh</sub>	49, 80.244, 347.016
Yxy	17.9158, 0.4233, 0.2137
Android (android.graphics.Color)	4292677526 (0xFFDD0F96)
YUV	91.9840, 28.6019, 113.1470
Hunter-Lab	42.3271, 75.6141, -13.0123

# Details

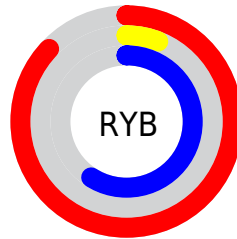
The XYZ color **35.4946, 17.9158, 30.4415** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **27.7351, 52.4872, 17.4806**, and the grayscale version is **10.0968, 10.6226, 11.5681**.

A 20% lighter version of the original color is **56.4138, 34.1690, 60.7487**, and **16.7493, 8.3744, 12.5380** is the 20% darker color. If you saturate the color by 10%, you get **34.9156, 17.4109, 28.2348**, and if you desaturate by 10%, it is **36.6233, 19.1592, 33.9437**.

# Distribution



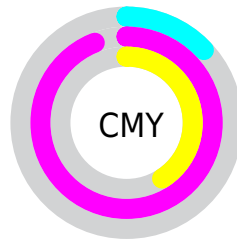
- Red (87%)
- Green (6%)
- Blue (59%)



- Red (87%)
- Yellow (6%)
- Blue (59%)



- Cyan (0%)
- Magenta (93%)
- Yellow (32%)
- Black (13%)




- Cyan (13%)
- Magenta (94%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4946, 17.9158, 30.4415 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 35.4946, 17.9158, 30.4415 by changing the saturation by 10% instead.




 35.4946, 17.9158,  
30.4415


 35.4946, 17.9158,  
30.4415


318.2160,  
240.3960, 318.2281

 24.2124, 10.8896,  
19.9191


 67.5803, 39.8938,  
61.4289

 15.6169, 5.9926,  
12.1527


 89.1145, 55.6143,  
82.7310

 9.3426, 2.8406,  
6.7240


 114.7967, 75.0018,  
108.4633

 5.0242, 1.0491,  
3.2143

 144.9923, 98.4405,  
139.0445

 2.2964, 0.0000,  
1.2051

 180.0667,  
126.3149, 174.8930

 0.7928, 0.0000,  
0.0000

 220.3852,

 0.0000, 0.0000,

159.0093, 216.4274

0.0000

266.3132,  
196.9082, 264.0663

■ 35.4946, 17.9158,  
30.4415

■ 35.4946, 17.9158,  
30.4415

■ 34.9156, 17.4109,  
28.2348

■ 36.6233, 19.1592,  
33.9437

■ 38.2079, 21.2495,  
37.7982

■ 40.3149, 24.3184,  
42.0307

■ 42.9989, 28.4739,  
46.6630

■ 46.3072, 33.8099,  
51.7140

■ 50.2822, 40.4098,  
57.2012

■ 54.9624, 48.3496,  
63.1406

■ 60.3832, 57.6993,  
69.5472

■ 66.5777, 68.5237,  
76.4349

# Harmonies

## Analogous

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



30.0369, 17.9158, 63.9128



35.4946, 17.9158, 30.4415



35.0642, 17.9158, 9.6810

# Triad

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



35.4946, 17.9158, 30.4415



13.1172, 17.9158, 0.5894



8.9130, 17.9158, 68.5936

# Complementary

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



35.4946, 17.9158, 30.4415



27.7351, 52.4872, 17.4806

# 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.



6.5640, 17.9158, 34.4107



35.4946, 17.9158, 30.4415



8.4513, 17.9158, 2.6608

# Square

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



35.4946, 17.9158, 30.4415



20.5095, 17.9158, 0.4872



6.4248, 17.9158, 11.5659



13.9654, 17.9158, 94.7469



# Rectangle

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



35.4946, 17.9158, 30.4415



31.4804, 17.9158, 3.6416



6.4248, 17.9158, 11.5659



7.8557, 17.9158, 56.8614

# Sweetspot

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



35.4952, 17.9168, 30.4418



72.6349, 61.1100, 83.1155



16.8509, 7.4336, 68.9533



14.9648, 12.0968, 17.0384



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.



35.4952, 17.9168, 30.4418



48.2241, 24.0536, 38.7075



30.5522, 15.9396, 4.4123



13.4138, 13.1946, 15.4401



20.3382, 10.1363, 16.6928



1.3575, 0.6727, 1.2918



# Inverse Universe

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



35.4952, 17.9168, 30.4418



48.2241, 24.0536, 38.7075



34.9886, 55.3886, 55.6770



13.4138, 13.1946, 15.4401



20.3382, 10.1363, 16.6928



1.3575, 0.6727, 1.2918



# Previews

## White Background



This preview shows how the XYZ color 35.4946, 17.9158, 30.4415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

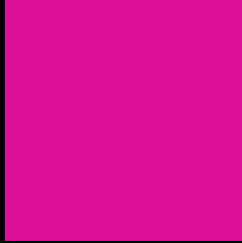
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4946, 17.9158, 30.4415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

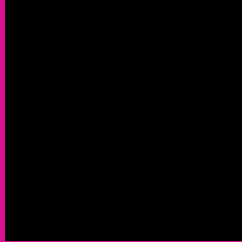
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.4946, 17.9158, 30.4415**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4946, 17.9158, 30.4415.



This preview shows how white text looks on a background with the XYZ color 35.4946, 17.9158,

30.4415.

# 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

35.4946, 17.9158, 30.4415

### Protanopia

20.9281, 18.6726, 65.4519

### Deuteranopia

18.7247, 18.3773, 27.3712



## Tritanopia

30.5374, 18.0377, 6.5747

# Trichromacy



## Original Color

35.4946, 17.9158, 30.4415



## Protanomaly

20.6944, 13.7453, 50.2776



## Deuteranomaly

21.7347, 14.7737, 28.0916



## Tritanomaly

31.5815, 17.3793, 12.5165

# Monochromacy



## Original Color

35.4946, 17.9158, 30.4415



## Achromatopsia

10.1725, 10.7023, 11.6548



## Achromatomaly

15.4615, 10.3480, 16.8052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4946, 17.9158, 30.4415 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(221, 15, 150)` looks like.

```
.text, #text, p{  
    color:rgb(221, 15, 150)  
}
```

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(221, 15, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 15, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4946, 17.9158, 30.4415 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(221, 15, 150) }
```



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

```
.border{ border-color:rgb(221, 15, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 15, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 15, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 15, 150);  
box-shadow:4px 4px 4px 4px rgb(221, 15,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4946, 17.9158, 30.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 15, 150) }
```

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

```
.background{ background-color: rgb(221, 15,  
150) }
```

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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