

# Converting Colors

XYZ(26.3311, 10.0159, 18.0927)

Have a look what the booklet for  
XYZ(26.3311, 10.0159, 18.0927)  
contains.

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# Color

**XYZ(28.5066, 14.3110,  
18.7126)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD0077
RGB	205, 0, 119
RGB Percent	80%, 0%, 47%
CMY	0.1961, 0.9999, 0.5333
CMYK	0.00, 1.00, 0.42, 0.20
HSL	325°, 100%, 40%
HSV	325°, 100%, 80%
XYZ	28.5066, 14.3110, 18.7126
YIQ	74.8610, 83.9810, 80.4690

# Conversions

## Conversions Part 2

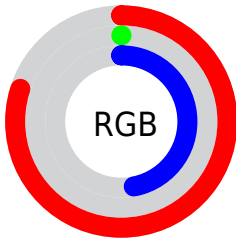
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 0, 119
Decimal	13434999
CIE <sub>Lab</sub>	44.68, 73.15, -6.58
CIE <sub>LCh</sub>	45, 73.450, 354.858
Yxy	14.3110, 0.4633, 0.2326
Android (android.graphics.Color)	4291625079 (0xFFCD0077)
YUV	74.8610, 21.7605, 114.1319
Hunter-Lab	37.8299, 68.3059, -2.8470

# Details

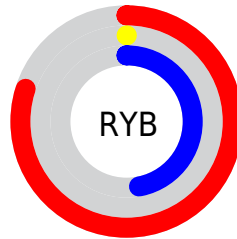
The XYZ color **28.5066, 14.3110, 18.7126** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **23.5129, 44.3353, 16.1300**, and the grayscale version is **6.6179, 6.9625, 7.5822**.

A 20% lighter version of the original color is **52.1631, 31.3450, 41.8290**, and **12.8144, 6.4747, 6.5356** is the 20% darker color. If you saturate the color by 10%, you get **28.5057, 14.3107, 18.7079**, and if you desaturate by 10%, it is **29.3067, 15.0466, 21.6446**.

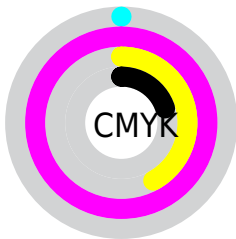
# Distribution



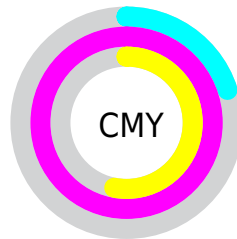
- Red (80%)
- Green (0%)
- Blue (47%)



- Red (80%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5066, 14.3110, 18.7126 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 28.5066, 14.3110, 18.7126 by changing the saturation by 10% instead.




 28.5066, 14.3110,  
18.7126


 28.5066, 14.3110,  
18.7126


286.9162,  
219.1571, 257.2272


 18.8503, 8.3373,  
11.2881


 56.6952, 33.6398,  
42.0781


 11.6655, 4.3115,  
6.1444


 75.9583, 47.7638,  
58.8562


 6.5869, 1.8493,  
2.8628


 99.1543, 65.3732,  
79.5892

 3.2492, 0.5176,  
1.0250

 126.6486, 86.8526,  
104.6957

 1.2869, 0.0000,  
0.0000

 158.8066,  
112.5862, 134.5942

 0.1733, 0.0000,  
0.0000

 195.9936,

 0.0000, 0.0000,

142.9586, 169.7032

0.0000

238.5750,  
178.3541, 210.4414

■ 28.5066, 14.3110,  
18.7126

■ 28.5066, 14.3110,  
18.7126

■ 28.5057, 14.3107,  
18.7079

■ 29.3067, 15.0466,  
21.6446

■ 30.4294, 16.3509,  
24.9206

■ 31.9701, 18.4125,  
28.5781

■ 33.9802, 21.3325,  
32.6398

■ 36.5033, 25.1965,  
37.1255

■ 39.5778, 30.0794,  
42.0530

■ 43.2380, 36.0487,  
47.4388

■ 47.5156, 43.1658,  
53.2984

■ 52.4399, 51.4877,  
59.6460

# Harmonies

## Analogous

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



25.2905, 14.3110, 43.1374



28.5066, 14.3110, 18.7126



26.8754, 14.3110, 5.4566

# Triad

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



28.5066, 14.3110, 18.7126



9.3310, 14.3110, 0.7259



8.0146, 14.3110, 60.7792

# Complementary

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



28.5066, 14.3110, 18.7126



23.5129, 44.3353, 16.1300

# 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.



5.6284, 14.3110, 33.8523



28.5066, 14.3110, 18.7126



6.2182, 14.3110, 3.2967

# Square

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



28.5066, 14.3110, 18.7126



14.6553, 14.3110, 0.2708



5.0831, 14.3110, 12.8220



12.6008, 14.3110, 76.4584



# Rectangle

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



28.5066, 14.3110, 18.7126



23.4503, 14.3110, 2.0040



5.0831, 14.3110, 12.8220



6.9885, 14.3110, 52.0905

# Sweetspot

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



28.5070, 14.3118, 18.7128



70.5661, 58.6225, 77.3387



14.8060, 6.3604, 58.2049



14.5339, 11.6128, 15.7302



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.



28.5070, 14.3118, 18.7128



46.5858, 23.3983, 30.0804



25.2793, 13.0208, 1.7160



11.4807, 11.3210, 13.0662



17.7942, 8.9283, 11.9011



0.9553, 0.4755, 0.8107



# Inverse Universe

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



28.5070, 14.3118, 18.7128



46.5858, 23.3983, 30.0804



30.9002, 47.2902, 55.0309



11.4807, 11.3210, 13.0662



17.7942, 8.9283, 11.9011



0.9553, 0.4755, 0.8107



# Previews

## White Background



This preview shows how the XYZ color 28.5066, 14.3110, 18.7126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

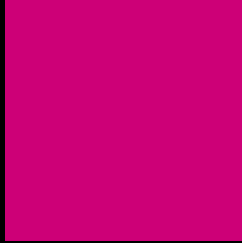
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.5066, 14.3110, 18.7126 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 28.5066, 14.3110, 18.7126**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.5066, 14.3110, 18.7126.



This preview shows how white text looks on a background with the XYZ color 28.5066, 14.3110,



# 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

28.5066, 14.3110, 18.7126

### Protanopia

16.0720, 15.0873, 40.5931

### Deuteranopia

15.2022, 15.0108, 16.8480



## Tritanopia

25.6374, 14.6639, 4.2755

# Trichromacy



## Original Color

28.5066, 14.3110, 18.7126



## Protanomaly

16.4270, 10.7933, 30.9233



## Deuteranomaly

17.3822, 11.5961, 16.9449



## Tritanomaly

26.0574, 13.9795, 7.8035

# Monochromacy



## Original Color

28.5066, 14.3110, 18.7126



## Achromatopsia

6.6877, 7.0360, 7.6622



## Achromatomaly

10.9713, 7.0068, 10.6717

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.5066, 14.3110, 18.7126 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(205, 0, 119)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 119)  
}
```

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(205, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 28.5066, 14.3110, 18.7126 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(205, 0, 119) }
```



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

```
.border{ border-color:rgb(205, 0, 119) }
```

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

Here you see how a box with a 4 pixel rgb(205, 0, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(205, 0,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.5066, 14.3110, 18.7126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 119) }
```

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

```
.background{ background-color: rgb(205, 0,  
119) }
```

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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