

# Converting Colors

XYZ(29.4424, 16.0235, 18.8402)

Have a look what the booklet for  
XYZ(29.4424, 16.0235, 18.8402)  
contains.

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# Color

**XYZ(29.6113, 16.1096,  
19.0015)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE2A77
RGB	206, 42, 119
RGB Percent	81%, 16%, 47%
CMY	0.1922, 0.8352, 0.5333
CMYK	0.00, 0.80, 0.42, 0.19
HSL	332°, 66%, 49%
HSV	332°, 80%, 81%
XYZ	29.6113, 16.1096, 19.0015
YIQ	99.8140, 73.0270, 58.7150

# Conversions

## Conversions Part 2

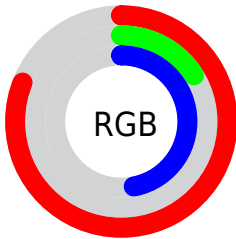
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 42, 119
Decimal	13511287
CIE Lab	47.12, 66.90, -2.94
CIE LCh	47, 66.960, 357.483
Yxy	16.1096, 0.4575, 0.2489
Android (android.graphics.Color)	4291701367 (0xFFCE2A77)
YUV	99.8140, 9.4587, 93.1251
Hunter-Lab	40.1368, 61.4508, 0.0267

# Details

The XYZ color **29.6113, 16.1096, 19.0015** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **26.9899, 46.2203, 28.2720**, and the grayscale version is **12.0308, 12.6574, 13.7839**.

A 20% lighter version of the original color is **53.6423, 34.3034, 42.3220**, and **12.9914, 6.5659, 6.5439** is the 20% darker color. If you saturate the color by 10%, you get **28.4399, 14.7576, 15.5568**, and if you desaturate by 10%, it is **31.2342, 18.2438, 22.9693**.

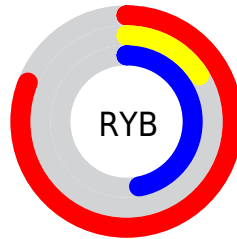
# Distribution



Red (81%)

Green (16%)

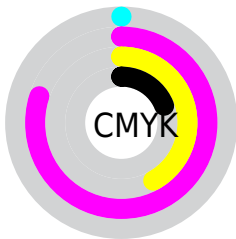
Blue (47%)



Red (81%)

Yellow (16%)

Blue (47%)

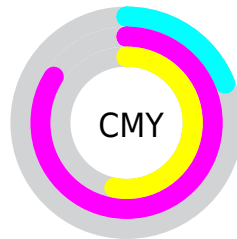


Cyan (0%)

Magenta (80%)

Yellow (42%)

Black (19%)



Cyan (19%)

Magenta (84%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6113, 16.1096, 19.0015 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 29.6113, 16.1096, 19.0015 by changing the saturation by 10% instead.





 29.6113, 16.1096,  
19.0015


 29.6113, 16.1096,  
19.0015


292.0309,  
229.9876, 258.8800


 19.6903, 9.6017,  
11.4945


 58.4378, 36.7884,  
42.5734


 12.2771, 5.1357,  
6.2822


 78.0740, 51.7281,  
59.4754


 7.0062, 2.3271,  
2.9459


 101.6794, 70.2472,  
80.3461

 3.5124, 0.7880,  
1.0671

 129.6193, 92.7301,  
105.6041

 1.4301, 0.0000,  
0.0000

 162.2590,  
119.5612, 135.6680

 0.2776, 0.0000,  
0.0000

 199.9639,

 0.0000, 0.0000,

151.1249, 170.9563

0.0000

243.0994,  
187.8055, 211.8874

■ 29.6113, 16.1096,  
19.0015

■ 29.6113, 16.1096,  
19.0015

■ 28.4399, 14.7576,  
15.5568

■ 31.2342, 18.2438,  
22.9693

■ 27.6267, 14.0052,  
12.5913

■ 33.3602, 21.2597,  
27.4891

■ 27.5978, 13.9795,  
12.4826

■ 36.0350, 25.2447,  
32.5877

■ 39.2984, 30.2748,  
38.2892

■ 43.1862, 36.4185,  
44.6162

■ 47.7313, 43.7382,  
51.5897

■ 52.9644, 52.2920,  
59.2297

■ 58.9139, 62.1337,  
67.5552

■ 65.6068, 73.3142,  
76.5844

# Harmonies

## Analogous

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



26.9604, 16.1096, 41.3376



29.6113, 16.1096, 19.0015



27.6909, 16.1096, 6.4398

# Triad

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



29.6113, 16.1096, 19.0015



10.6645, 16.1096, 1.6428



10.0029, 16.1096, 61.4590

# Complementary

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



29.6113, 16.1096, 19.0015



26.9899, 46.2203, 28.2720

# 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.



7.3125, 16.1096, 37.1272



29.6113, 16.1096, 19.0015



7.6201, 16.1096, 5.2576

# Square

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



29.6113, 16.1096, 19.0015



15.8136, 16.1096, 1.0032



6.5665, 16.1096, 16.1566



14.8205, 16.1096, 73.8467



# Rectangle

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



29.6113, 16.1096, 19.0015



24.2935, 16.1096, 2.8625



6.5665, 16.1096, 16.1566



8.8716, 16.1096, 53.8659

# Sweetspot

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



29.6117, 16.1105, 19.0018



73.7435, 65.0571, 78.1521



20.6826, 10.6051, 59.3493



15.2283, 13.0320, 15.8678



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.



29.6117, 16.1105, 19.0018



45.0605, 22.9653, 21.5025



26.8004, 15.1465, 3.7027



11.4279, 11.2999, 12.7877



17.0421, 8.6274, 7.9401



0.9174, 0.4604, 0.6109



# Inverse Universe

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



29.6117, 16.1105, 19.0018



45.0605, 22.9653, 21.5025



33.5149, 47.7867, 65.8498



11.4279, 11.2999, 12.7877



17.0421, 8.6274, 7.9401



0.9174, 0.4604, 0.6109



# Previews

## White Background



This preview shows how the XYZ color 29.6113, 16.1096, 19.0015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

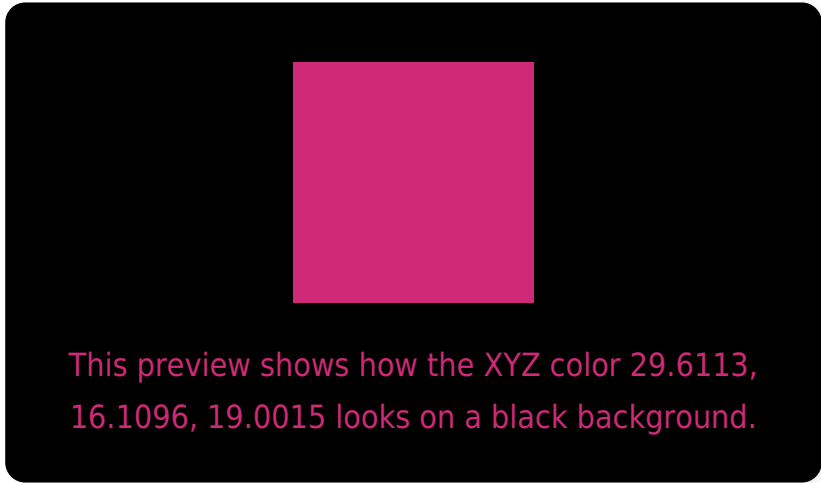
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

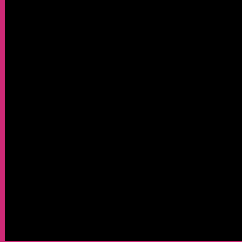
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# XYZ 29.6113, 16.1096, 19.0015

## Background



This preview shows how black text looks on a background with the XYZ color 29.6113, 16.1096, 19.0015.



This preview shows how white text looks on a background with the XYZ color 29.6113, 16.1096,



# 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

29.6113, 16.1096, 19.0015

### Protanopia

17.0472, 16.4835, 36.0014

### Deuteranopia

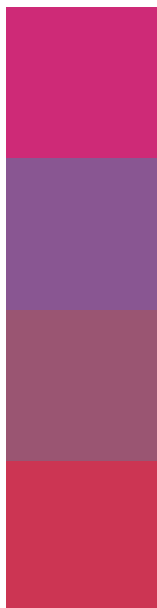
16.6501, 16.3701, 17.3211



## Tritanopia

27.0621, 16.1722, 6.2527

# Trichromacy



## Original Color

29.6113, 16.1096, 19.0015

## Protanomaly

18.8326, 14.0493, 28.9133

## Deuteranomaly

19.6122, 14.5819, 17.7005

## Tritanomaly

27.7363, 16.0081, 9.8116

# Monochromacy



## Original Color

29.6113, 16.1096, 19.0015

## Achromatopsia

12.1130, 12.7438, 13.8780

## Achromatomaly

16.0973, 12.1425, 15.4052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.6113, 16.1096, 19.0015 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(206, 42, 119)` looks like.

```
.text, #text, p{  
    color:rgb(206, 42, 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(206, 42, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 42, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 29.6113, 16.1096, 19.0015 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(206, 42, 119) }
```



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

```
.border{ border-color:rgb(206, 42, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 42, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 42, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 42, 119);  
box-shadow:4px 4px 4px 4px rgb(206, 42,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.6113, 16.1096, 19.0015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 42, 119) }
```

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

```
.background{ background-color: rgb(206, 42,  
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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