

# Converting Colors

XYZ(30.1944, 18.7884, 16.7588)

Have a look what the booklet for  
XYZ(30.1944, 18.7884, 16.7588)  
contains.

<b>XYZ(30.0989, 18.7282, 16.7804)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(30.0989, 18.7282,  
16.7804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CC496E
RGB	204, 73, 110
RGB Percent	80%, 29%, 43%
CMY	0.2000, 0.7137, 0.5686
CMYK	0.00, 0.64, 0.46, 0.20
HSL	343°, 56%, 54%
HSV	343°, 64%, 80%
XYZ	30.0989, 18.7282, 16.7804
YIQ	116.3870, 66.1990, 39.2790

# Conversions

## Conversions Part 2

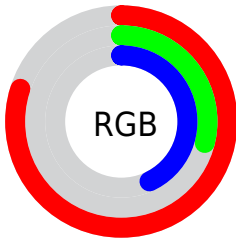
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 73, 110
Decimal	13388142
CIE <sub>Lab</sub>	50.37, 54.74, 7.20
CIE <sub>LCh</sub>	50, 55.210, 7.492
Yxy	18.7282, 0.4588, 0.2855
Android (android.graphics.Color)	4291578222 (0xFFCC496E)
YUV	116.3870, -3.1488, 76.8366
Hunter-Lab	43.2761, 48.4152, 7.3034

# Details

The XYZ color **30.0989, 18.7282, 16.7804** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **31.3168, 47.3928, 44.0596**, and the grayscale version is **16.7152, 17.5857, 19.1508**.

A 20% lighter version of the original color is **55.3922, 39.2716, 38.3789**, and **12.5851, 6.4003, 5.2747** is the 20% darker color. If you saturate the color by 10%, you get **28.2392, 16.1807, 12.5477**, and if you desaturate by 10%, it is **32.5307, 22.2092, 21.8538**.

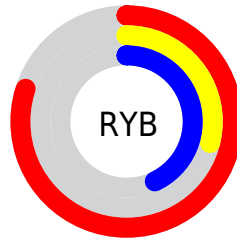
# Distribution



Red (80%)

Green (29%)

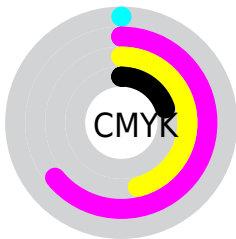
Blue (43%)



Red (80%)

Yellow (29%)

Blue (43%)

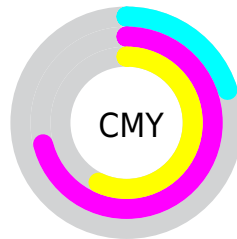


Cyan (0%)

Magenta (64%)

Yellow (46%)

Black (20%)



Cyan (20%)

Magenta (71%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0989, 18.7282, 16.7804 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 30.0989, 18.7282, 16.7804 by changing the saturation by 10% instead.





 30.0989, 18.7282,  
16.7804


 30.0989, 18.7282,  
16.7804


294.2667,  
244.9441, 245.9047

 20.0621, 11.4740,  
9.9177


 59.2041, 41.2743,  
38.7333


 12.5487, 6.3866,  
5.2396


 79.0032, 57.3351,  
54.6606


 7.1934, 3.0816,  
2.3273


 102.7872, 77.1001,  
74.4465

 3.6307, 1.1745,  
0.7465

 130.9213,  
100.9539, 98.5097

 1.4954, 0.0407,  
0.0000

 163.7710,  
129.2808, 127.2685

 0.3227, 0.0000,  
0.0000

201.7015,

 0.0000, 0.0000,

162.4652, 161.1416

0.0000

245.0783,  
200.8915, 200.5474

■ 30.0989, 18.7282,  
16.7804

■ 30.0989, 18.7282,  
16.7804

■ 28.2392, 16.1807,  
12.5477

■ 32.5307, 22.2092,  
21.8538

■ 26.8988, 14.4715,  
9.1058

■ 35.5780, 26.7008,  
27.8115

■ 26.0169, 13.4900,  
6.3998

■ 39.2815, 32.2753,  
34.6951

■ 25.6557, 13.1389,  
5.1352

■ 43.6778, 38.9975,  
42.5432

■ 48.8008, 46.9272,  
51.3920

■ 54.6823, 56.1199,  
61.2759

■ 61.3518, 66.6278,  
72.2274

■ 68.8376, 78.5000,  
84.2778

■ 76.6514, 90.7532,  
97.2853

# Harmonies

## Analogous

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



29.1203, 18.7282, 33.9068



30.0989, 18.7282, 16.7804



27.2942, 18.7282, 7.1860

# Triad

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



30.0989, 18.7282, 16.7804



12.2357, 18.7282, 4.7938



14.1395, 18.7282, 61.6201

# Complementary

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



30.0989, 18.7282, 16.7804



31.3168, 47.3928, 44.0596

# 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.



10.8114, 18.7282, 44.1491



30.0989, 18.7282, 16.7804



9.8761, 18.7282, 11.0510

# Square

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



30.0989, 18.7282, 16.7804



16.4904, 18.7282, 2.8943



9.4128, 18.7282, 24.4875



19.1785, 18.7282, 65.8880



# Rectangle

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



30.0989, 18.7282, 16.7804



23.9338, 18.7282, 4.2546



9.4128, 18.7282, 24.4875



12.8164, 18.7282, 56.7854

# Sweetspot

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



30.0994, 18.7292, 16.7807



76.3931, 70.8475, 77.5204



29.1943, 17.3287, 58.9329



15.8365, 14.3688, 15.6993



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.



30.0994, 18.7292, 16.7807



45.8290, 25.5693, 18.4696



30.7962, 22.7016, 9.0633



11.3404, 11.2649, 12.3271



16.1828, 8.2837, 3.4152



0.8678, 0.4405, 0.3499



# Inverse Universe

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



30.0994, 18.7292, 16.7807



45.8290, 25.5693, 18.4696



29.0979, 36.6776, 62.6727



11.3404, 11.2649, 12.3271



16.1828, 8.2837, 3.4152



0.8678, 0.4405, 0.3499



# Previews

## White Background



This preview shows how the XYZ color 30.0989, 18.7282, 16.7804 looks on a white 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



# Black Background



This preview shows how the XYZ color 30.0989, 18.7282, 16.7804 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

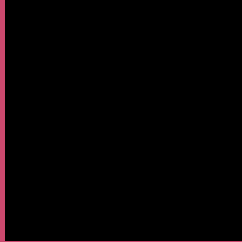
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 30.0989, 18.7282, 16.7804

## Background



This preview shows how black text looks on a background with the XYZ color 30.0989, 18.7282, 16.7804.



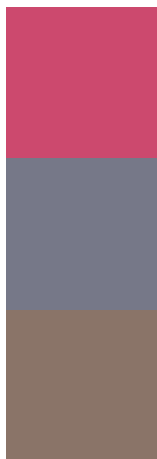
This preview shows how white text looks on a background with the XYZ color 30.0989, 18.7282,



# 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

30.0989, 18.7282, 16.7804

### Protanopia

18.6316, 19.0621, 25.9899

### Deuteranopia

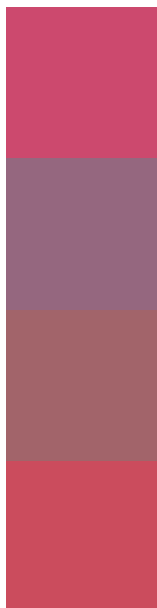
19.2253, 18.8935, 15.7302



## Tritanopia

28.6428, 18.6299, 10.2699

# Trichromacy



## Original Color

30.0989, 18.7282, 16.7804

## Protanomaly

21.0754, 17.6224, 22.3693

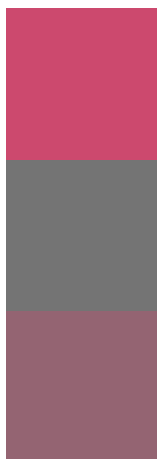
## Deuteranomaly

22.0590, 17.8363, 15.9158

## Tritanomaly

29.1888, 18.6557, 12.4184

# Monochromacy



## Original Color

30.0989, 18.7282, 16.7804

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

19.8072, 16.6251, 18.0846

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.0989, 18.7282, 16.7804 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(204, 73, 110)` looks like.

```
.text, #text, p{  
    color:rgb(204, 73, 110)  
}
```

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(204, 73, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 73, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 30.0989, 18.7282, 16.7804 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(204, 73, 110) }
```



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

```
.border{ border-color:rgb(204, 73, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 73, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 73, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 73, 110);  
box-shadow:4px 4px 4px 4px rgb(204, 73,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.0989, 18.7282, 16.7804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 73, 110) }
```

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

```
.background{ background-color: rgb(204, 73,  
110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor