

# Converting Colors

XYZ(29.5898, 18.5452, 17.4077)

Have a look what the booklet for  
XYZ(29.5898, 18.5452, 17.4077)  
contains.

<b>XYZ(29.4608, 18.4849, 17.3444)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(29.4608, 18.4849,  
17.3444)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C94A70
RGB	201, 74, 112
RGB Percent	79%, 29%, 44%
CMY	0.2118, 0.7098, 0.5608
CMYK	0.00, 0.63, 0.44, 0.21
HSL	342°, 54%, 54%
HSV	342°, 63%, 79%
XYZ	29.4608, 18.4849, 17.3444
YIQ	116.3050, 63.4940, 38.7420

# Conversions

## Conversions Part 2

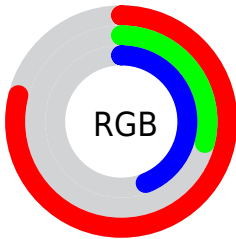
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 74, 112
Decimal	13191792
CIE <sub>Lab</sub>	50.08, 53.56, 5.51
CIE <sub>LCh</sub>	50, 53.840, 5.877
Yxy	18.4849, 0.4512, 0.2831
Android (android.graphics.Color)	4291381872 (0xFFC94A70)
YUV	116.3050, -2.1224, 74.2775
Hunter-Lab	42.9941, 47.0738, 6.1774

# Details

The XYZ color **29.4608, 18.4849, 17.3444** 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 **30.3227, 45.8740, 41.9099**, and the grayscale version is **16.6875, 17.5566, 19.1191**.

A 20% lighter version of the original color is **55.7911, 39.6408, 39.8329**, and **12.1746, 6.2627, 5.5682** is the 20% darker color. If you saturate the color by 10%, you get **27.6028, 15.9274, 13.1534**, and if you desaturate by 10%, it is **31.8711, 21.9506, 22.3252**.

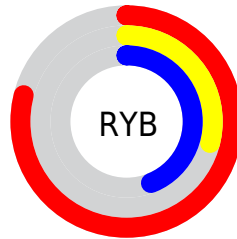
# Distribution



Red (79%)

Green (29%)

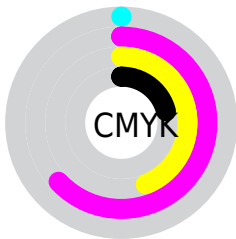
Blue (44%)



Red (79%)

Yellow (29%)

Blue (44%)

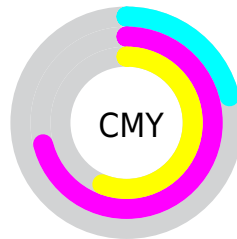


Cyan (0%)

Magenta (63%)

Yellow (44%)

Black (21%)



Cyan (21%)

Magenta (71%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4608, 18.4849, 17.3444 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 29.4608, 18.4849, 17.3444 by changing the saturation by 10% instead.





 29.4608, 18.4849,  
17.3444


 29.4608, 18.4849,  
17.3444

291.3381,  
243.5902, 249.2601

 19.5757, 11.2987,  
10.3158


 58.2009, 40.8619,  
39.7157


 12.1935, 6.2681,  
5.5005


 77.7867, 56.8214,  
55.8955


 6.9487, 3.0088,  
2.4800


 101.3367, 76.4742,  
75.9628

 3.4761, 1.1363,  
0.8295

 129.2163,  
100.2045, 100.3360

 1.4102, 0.0087,  
0.0000

 161.7909,  
128.3969, 129.4339

 0.2635, 0.0000,  
0.0000

199.4258,

 0.0000, 0.0000,

161.4357, 163.6748

0.0000

242.4864,  
199.7054, 203.4774

■ 29.4608, 18.4849,  
17.3444

■ 29.4608, 18.4849,  
17.3444

■ 27.6028, 15.9274,  
13.1534

■ 31.8711, 21.9506,  
22.3252

■ 26.2474, 14.1880,  
9.7072

■ 34.8745, 26.3975,  
28.1352

■ 25.3378, 13.1627,  
6.9567

■ 38.5094, 31.8945,  
34.8122

■ 24.9065, 12.7452,  
5.4409

■ 42.8105, 38.5035,  
42.3909

■ 47.8100, 46.2813,  
50.9044

■ 53.5377, 55.2812,  
60.3839

■ 60.0219, 65.5529,  
70.8591

■ 67.2893, 77.1434,  
82.3584

■ 75.3652, 90.0973,  
94.9090

# Harmonies

## Analogous

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



28.3216, 18.4849, 34.1864



29.4608, 18.4849, 17.3444



26.9421, 18.4849, 7.6082

# Triad

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



29.4608, 18.4849, 17.3444



12.3533, 18.4849, 4.7294



13.8038, 18.4849, 59.0163

# Complementary

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



29.4608, 18.4849, 17.3444



30.3227, 45.8740, 41.9099

# 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.



10.6696, 18.4849, 41.9081



29.4608, 18.4849, 17.3444



9.9546, 18.4849, 10.5723

# Square

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



29.4608, 18.4849, 17.3444



16.5688, 18.4849, 2.9949



9.4051, 18.4849, 23.1922



18.6094, 18.4849, 63.9454



# Rectangle

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



29.4608, 18.4849, 17.3444



23.7722, 18.4849, 4.5412



9.4051, 18.4849, 23.1922



12.5519, 18.4849, 54.1948

# Sweetspot

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



29.4613, 18.4859, 17.3447



76.5011, 70.8908, 78.0893



28.0761, 16.8918, 57.0389



15.8623, 14.3791, 15.8351



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.



29.4613, 18.4859, 17.3447



46.2601, 25.9551, 20.0812



29.8240, 21.9128, 9.1376



10.7623, 10.6883, 11.7315



15.6959, 8.0279, 3.6087



0.7757, 0.3931, 0.3420



# Inverse Universe

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



29.4613, 18.4859, 17.3447



46.2601, 25.9551, 20.0812



28.8145, 36.5678, 60.7979



10.7623, 10.6883, 11.7315



15.6959, 8.0279, 3.6087



0.7757, 0.3931, 0.3420



# Previews

## White Background



This preview shows how the XYZ color 29.4608, 18.4849, 17.3444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

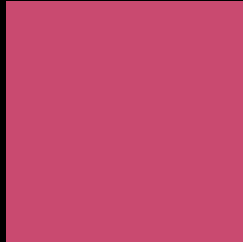
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 29.4608, 18.4849, 17.3444 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

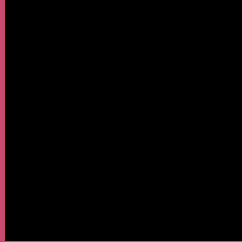
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.4608, 18.4849, 17.3444**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.4608, 18.4849, 17.3444.



This preview shows how white text looks on a background with the XYZ color 29.4608, 18.4849,



# 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

29.4608, 18.4849, 17.3444

### Protanopia

18.3867, 18.7416, 26.6932

### Deuteranopia

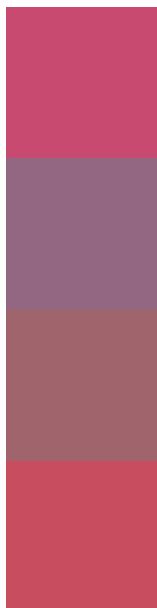
18.8856, 18.5363, 16.2182



## Tritanopia

28.0615, 18.5353, 10.6930

# Trichromacy



## Original Color

29.4608, 18.4849, 17.3444

## Protanomaly

20.8453, 17.4885, 23.0458

## Deuteranomaly

21.7612, 17.6706, 16.4512

## Tritanomaly

28.6094, 18.5544, 12.8999

# Monochromacy



## Original Color

29.4608, 18.4849, 17.3444

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

19.7808, 16.7482, 18.4098

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.4608, 18.4849, 17.3444 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(201, 74, 112)` looks like.

```
.text, #text, p{  
    color:rgb(201, 74, 112)  
}
```

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(201, 74, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 74, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 29.4608, 18.4849, 17.3444 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(201, 74, 112) }
```



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

```
.border{ border-color:rgb(201, 74, 112) }
```

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

Here you see how a box with a 4 pixel rgb(201, 74, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 74, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 74, 112);  
box-shadow:4px 4px 4px 4px rgb(201, 74,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.4608, 18.4849, 17.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 74, 112) }
```

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

```
.background{ background-color: rgb(201, 74,  
112) }
```

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