

Converting Colors

XYZ(30.0012, 18.4108, 17.1247)

Have a look what the booklet for
XYZ(30.0012, 18.4108, 17.1247)
contains.

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Color

**XYZ(29.9612, 18.3654,
17.0047)**

Conversions

Conversions Part 1

Format	Color
Hex	CC466F
RGB	204, 70, 111
RGB Percent	80%, 27%, 44%
CMY	0.2000, 0.7255, 0.5647
CMYK	0.00, 0.66, 0.46, 0.20
HSL	342°, 57%, 54%
HSV	342°, 66%, 80%
XYZ	29.9612, 18.3654, 17.0047
YIQ	114.7400, 66.7030, 41.1590

Conversions

Conversions Part 2

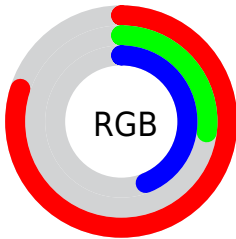
Format	Color
R_{YB}	204, 70, 111
Decimal	13387375
CIE _{Lab}	49.94, 56.08, 5.98
CIE _{LCh}	50, 56.395, 6.086
Yxy	18.3654, 0.4586, 0.2811
Android (android.graphics.Color)	4291577455 (0xFFCC466F)
YUV	114.7400, -1.8438, 78.2810
Hunter-Lab	42.8549, 49.7990, 6.4723

Details

The XYZ color **29.9612, 18.3654, 17.0047** 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 **30.7307, 47.1325, 42.1317**, and the grayscale version is **16.2092, 17.0534, 18.5711**.

A 20% lighter version of the original color is **55.2224, 38.7903, 38.7592**, and **12.6025, 6.3899, 5.4196** is the 20% darker color. If you saturate the color by 10%, you get **28.1759, 15.9453, 12.8633**, and if you desaturate by 10%, it is **32.3043, 21.7035, 21.9421**.

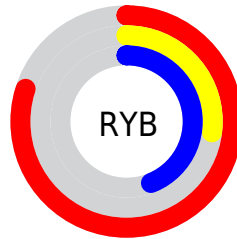
Distribution



Red (80%)

Green (27%)

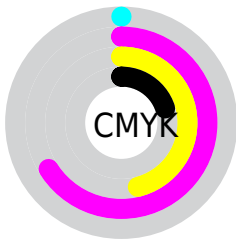
Blue (44%)



Red (80%)

Yellow (27%)

Blue (44%)

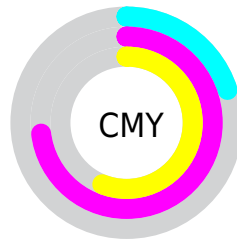


Cyan (0%)

Magenta (66%)

Yellow (46%)

Black (20%)



Cyan (20%)


Magenta (73%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9612, 18.3654, 17.0047 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 29.9612, 18.3654, 17.0047 by changing the saturation by 10% instead.


 29.9612, 18.3654,
17.0047


 29.9612, 18.3654,
17.0047


293.6366,
242.9226, 247.2443


 19.9571, 11.2126,
10.0758


 58.9879, 40.6590,
39.1246


 12.4719, 6.2100,
5.3430


 78.7411, 56.5686,
55.1528


 7.1404, 2.9732,
2.3877


 102.4748, 76.1659,
75.0511

 3.5972, 1.1178,
0.7797

 130.5542, 99.8354,
99.2381

 1.4769, 0.0000,
0.0000

 163.3447,
127.9615, 128.1324

 0.3100, 0.0000,
0.0000

201.2117,

 0.0000, 0.0000,

160.9284, 162.1526

0.0000

244.5206,
199.1207, 201.7170

■ 29.9612, 18.3654,
17.0047

■ 29.9612, 18.3654,
17.0047

■ 28.1759, 15.9453,
12.8633

■ 32.3043, 21.7035,
21.9421

■ 26.8953, 14.3459,
9.4710

■ 35.2488, 26.0378,
27.7163

■ 26.0568, 13.4523,
6.7762

■ 38.8353, 31.4417,
34.3662

■ 25.7825, 13.1896,
5.8036

■ 43.1005, 37.9805,
41.9278

■ 48.0782, 45.7145,
50.4350

■ 53.7997, 54.6996,
59.9199

■ 60.2948, 64.9882,
70.4130

■ 67.5911, 76.6297,
81.9434

■ 75.7154, 89.6709,
94.5392

Harmonies

Analogous

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



28.7822, 18.3654, 34.6488



29.9612, 18.3654, 17.0047



27.2718, 18.3654, 7.0912

Triad

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



29.9612, 18.3654, 17.0047



12.0228, 18.3654, 4.3001



13.5733, 18.3654, 61.4036

Complementary

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



29.9612, 18.3654, 17.0047



30.7307, 47.1325, 42.1317

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.



10.3329, 18.3654, 43.1455



29.9612, 18.3654, 17.0047



9.5755, 18.3654, 10.1965

Square

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



29.9612, 18.3654, 17.0047



16.3771, 18.3654, 2.6018



9.0278, 18.3654, 23.3208



18.5808, 18.3654, 66.5857

Rectangle

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



29.9612, 18.3654, 17.0047



23.9191, 18.3654, 4.0720



9.0278, 18.3654, 23.3208



12.2762, 18.3654, 56.2558

Sweetspot

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



29.9617, 18.3664, 17.0050



75.6985, 69.5920, 76.8773



27.9026, 16.3773, 58.8170



15.7077, 14.1275, 15.6061



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.



29.9617, 18.3664, 17.0050



45.6432, 25.0986, 18.7128



30.0614, 21.3874, 8.3395



11.3513, 11.2692, 12.3844



16.2646, 8.3164, 3.8463



0.8731, 0.4427, 0.3778

Inverse Universe

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



29.9617, 18.3664, 17.0050



45.6432, 25.0986, 18.7128



29.6328, 38.0767, 62.9142



11.3513, 11.2692, 12.3844



16.2646, 8.3164, 3.8463



0.8731, 0.4427, 0.3778

Previews

White Background



This preview shows how the XYZ color 29.9612, 18.3654, 17.0047 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 29.9612, 18.3654, 17.0047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

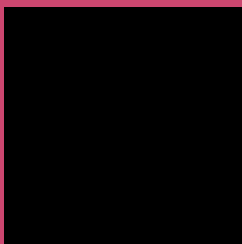
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9612, 18.3654, 17.0047

Background



This preview shows how black text looks on a background with the XYZ color 29.9612, 18.3654, 17.0047.



This preview shows how white text looks on a background with the XYZ color 29.9612, 18.3654,

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

29.9612, 18.3654, 17.0047

Protanopia

18.3411, 18.5340, 27.0368

Deuteranopia

18.8339, 18.5156, 15.9458



Tritanopia

28.4268, 18.3195, 9.8223

Trichromacy



Original Color

29.9612, 18.3654, 17.0047

Protanomaly

20.8289, 17.1882, 22.9887

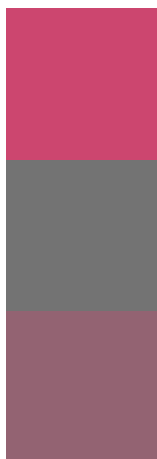
Deuteranomaly

21.8136, 17.5623, 16.1501

Tritanomaly

29.0091, 18.3668, 12.1414

Monochromacy



Original Color

29.9612, 18.3654, 17.0047

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.5317, 16.3416, 18.0444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9612, 18.3654, 17.0047 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, 70, 111)` looks like.

```
.text, #text, p{  
    color:rgb(204, 70, 111)  
}
```

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, 70, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 70, 111) }
```

Border

The CSS property to change the border of an element to XYZ 29.9612, 18.3654, 17.0047 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, 70, 111) }
```


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

```
.border{ border-color:rgb(204, 70, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 70, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 70, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 70, 111);  
box-shadow:4px 4px 4px 4px rgb(204, 70,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9612, 18.3654, 17.0047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 70, 111) }
```

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

```
.background{ background-color: rgb(204, 70,  
111) }
```

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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