

Converting Colors

XYZ(30.3188, 16.8017, 20.5398)

Have a look what the booklet for
XYZ(30.3188, 16.8017, 20.5398)
contains.

XYZ(30.3642, 16.8094, 20.3830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.3642, 16.8094,
20.3830)**

Conversions

Conversions Part 1

Format	Color
Hex	CF307B
RGB	207, 48, 123
RGB Percent	81%, 19%, 48%
CMY	0.1882, 0.8117, 0.5176
CMYK	0.00, 0.77, 0.41, 0.19
HSL	332°, 62%, 50%
HSV	332°, 77%, 81%
XYZ	30.3642, 16.8094, 20.3830
YIQ	104.0910, 70.6890, 57.0330

Conversions

Conversions Part 2

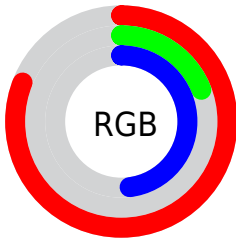
Format	Color
R_{YB}	207, 48, 123
Decimal	13578363
CIE _{Lab}	48.02, 65.86, -4.03
CIE _{LCh}	48, 65.984, 356.496
Yxy	16.8094, 0.4495, 0.2488
Android (android.graphics.Color)	4291768443 (0xFFCF307B)
YUV	104.0910, 9.3221, 90.2512
Hunter-Lab	40.9993, 60.4490, -0.7768

Details

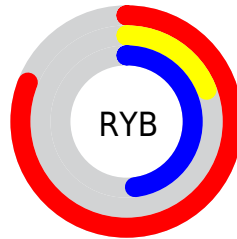
The XYZ color **30.3642, 16.8094, 20.3830** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **27.6979, 46.9205, 29.4308**, and the grayscale version is **13.1465, 13.8311, 15.0621**.

A 20% lighter version of the original color is **54.4465, 35.2924, 44.4999**, and **13.2687, 6.6975, 7.0720** is the 20% darker color. If you saturate the color by 10%, you get **29.0594, 15.2349, 16.7568**, and if you desaturate by 10%, it is **32.1412, 19.2058, 24.5442**.

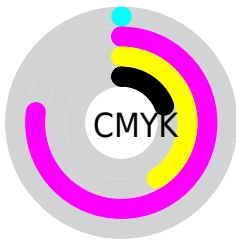
Distribution



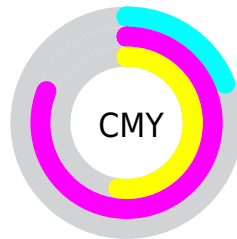
- Red (81%)
- Green (19%)
- Blue (48%)



- Red (81%)
- Yellow (19%)
- Blue (48%)



- Cyan (0%)
- Magenta (77%)
- Yellow (41%)
- Black (19%)





- Cyan (19%)
- Magenta (81%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3642, 16.8094, 20.3830 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 30.3642, 16.8094, 20.3830 by changing the saturation by 10% instead.

 30.3642, 16.8094,
20.3830


 30.3642, 16.8094,
20.3830


295.4779,
234.0716, 266.6535

 20.2646, 10.0987,
12.4869


 59.6203, 37.9978,
44.9258

 12.6969, 5.4644,
6.9497


 79.5076, 53.2442,
62.4095

 7.2957, 2.5223,
3.3527


 103.3882, 72.1047,
83.9263

 3.6957, 0.8877,
1.2774

 131.6274, 94.9637,
109.8945

 1.5315, 0.0000,
0.0432

 164.5907,
122.2054, 140.7328

 0.3471, 0.0000,
0.0000

202.6432,

 0.0000, 0.0000,

154.2144, 176.8598

0.0000

246.1505,
191.3750, 218.6938

■ 30.3642, 16.8094,
20.3830

■ 30.3642, 16.8094,
20.3830

■ 29.0594, 15.2349,
16.7568

■ 32.1412, 19.2058,
24.5442

■ 28.1590, 14.3510,
13.6304

■ 34.4399, 22.5194,
29.2684

■ 27.9194, 14.1403,
12.7225

■ 37.3048, 26.8353,
34.5818

■ 40.7748, 32.2282,
40.5082

■ 44.8854, 38.7655,
47.0698

■ 49.6691, 46.5089,
54.2874

■ 55.1562, 55.5159,
62.1809

■ 61.3750, 65.8402,
70.7691

■ 68.3523, 77.5323,
80.0700

Harmonies

Analogous

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



27.5659, 16.8094, 43.0579



30.3642, 16.8094, 20.3830



28.5859, 16.8094, 7.2170

Triad

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



30.3642, 16.8094, 20.3830



11.3897, 16.8094, 1.8401



10.4486, 16.8094, 61.5831

Complementary

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



30.3642, 16.8094, 20.3830



27.6979, 46.9205, 29.4308

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.



7.7580, 16.8094, 37.1992



30.3642, 16.8094, 20.3830



8.1989, 16.8094, 5.5051

Square

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



30.3642, 16.8094, 20.3830



16.6876, 16.8094, 1.2007



7.0502, 16.8094, 16.3688



15.2865, 16.8094, 74.5024

Rectangle

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



30.3642, 16.8094, 20.3830



25.2369, 16.8094, 3.3257



7.0502, 16.8094, 16.3688



9.3144, 16.8094, 53.9259

Sweetspot

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



30.3647, 16.8103, 20.3833



74.5153, 66.2805, 79.3961



21.5498, 11.3781, 60.0917



15.3778, 13.2666, 16.1163



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.



30.3647, 16.8103, 20.3833



45.5975, 23.4146, 23.6072



27.4349, 15.8171, 4.4047



12.0375, 11.8997, 13.4734



17.6376, 8.9279, 8.2636



1.0261, 0.5152, 0.6724

Inverse Universe

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



30.3647, 16.8103, 20.3833



45.5975, 23.4146, 23.6072



34.1581, 48.4859, 66.5897



12.0375, 11.8997, 13.4734



17.6376, 8.9279, 8.2636



1.0261, 0.5152, 0.6724

Previews

White Background



This preview shows how the XYZ color 30.3642, 16.8094, 20.3830 looks on a white background.

Color Contrast Check

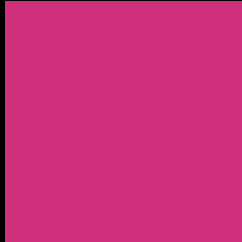
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3642, 16.8094, 20.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

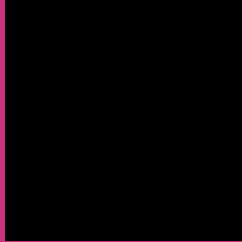
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.3642, 16.8094, 20.3830

Background



This preview shows how black text looks on a background with the XYZ color 30.3642, 16.8094, 20.3830.



This preview shows how white text looks on a background with the XYZ color 30.3642, 16.8094,

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

30.3642, 16.8094, 20.3830

Protanopia

17.7516, 17.1432, 37.4953

Deuteranopia

17.3831, 17.0423, 18.5930



Tritanopia

27.4751, 16.7685, 7.0987

Trichromacy



Original Color

30.3642, 16.8094, 20.3830

Protanomaly

19.4784, 14.7180, 30.2480

Deuteranomaly

20.2773, 15.2560, 19.0155

Tritanomaly

28.1352, 16.5516, 10.7287

Monochromacy



Original Color

30.3642, 16.8094, 20.3830

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

17.0241, 13.1511, 16.6801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3642, 16.8094, 20.3830 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(207, 48, 123)` looks like.

```
.text, #text, p{  
    color:rgb(207, 48, 123)  
}
```

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(207, 48, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 48, 123) }
```

Border

The CSS property to change the border of an element to XYZ 30.3642, 16.8094, 20.3830 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(207, 48, 123) }
```


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

```
.border{ border-color:rgb(207, 48, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 48, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 48, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 48, 123);  
box-shadow:4px 4px 4px 4px rgb(207, 48,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3642, 16.8094, 20.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 48, 123) }
```

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

```
.background{ background-color: rgb(207, 48,  
123) }
```

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