

Converting Colors

XYZ(30.9401, 16.6487, 17.3047)

Have a look what the booklet for
XYZ(30.9401, 16.6487, 17.3047)
contains.

XYZ(30.8251, 16.5755, 17.1975)	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(30.8251, 16.5755,
17.1975)**

Conversions

Conversions Part 1

Format	Color
Hex	D42671
RGB	212, 38, 113
RGB Percent	83%, 15%, 44%
CMY	0.1686, 0.8509, 0.5569
CMYK	0.00, 0.82, 0.47, 0.17
HSL	334°, 70%, 49%
HSV	334°, 82%, 83%
XYZ	30.8251, 16.5755, 17.1975
YIQ	98.5760, 79.6290, 60.2130

Conversions

Conversions Part 2

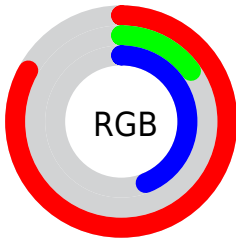
Format	Color
R_{YB}	212, 38, 113
Decimal	13903473
CIE _{Lab}	47.72, 68.87, 1.75
CIE _{LCh}	48, 68.890, 1.458
Yxy	16.5755, 0.4772, 0.2566
Android (android.graphics.Color)	4292093553 (0xFFD42671)
YUV	98.5760, 7.1110, 99.4728
Hunter-Lab	40.7130, 63.9001, 3.4546

Details

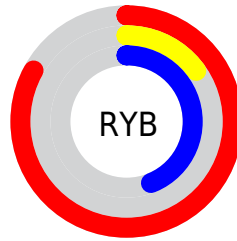
The XYZ color **30.8251, 16.5755, 17.1975** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.8597, 49.3057, 31.6682**, and the grayscale version is **11.7237, 12.3343, 13.4320**.

A 20% lighter version of the original color is **52.8818, 33.6771, 39.3105**, and **13.7459, 6.9727, 5.7756** is the 20% darker color. If you saturate the color by 10%, you get **29.6948, 15.3305, 13.6898**, and if you desaturate by 10%, it is **32.4321, 18.6294, 21.3097**.

Distribution



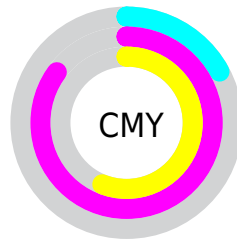
- Red (83%)
- Green (15%)
- Blue (44%)



- Red (83%)
- Yellow (15%)
- Blue (44%)



- Cyan (0%)
- Magenta (82%)
- Yellow (47%)
- Black (17%)





- Cyan (17%)
- Magenta (85%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8251, 16.5755, 17.1975 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 30.8251, 16.5755, 17.1975 by changing the saturation by 10% instead.


 30.8251, 16.5755,
17.1975


 30.8251, 16.5755,
17.1975


297.5730,
232.7141, 248.3903


 20.6169, 9.9323,
10.2120


 60.3423, 37.5945,
39.4603


 12.9551, 5.3541,
5.4323


 80.3820, 52.7390,
55.5747

 7.4744, 2.4565,
2.4399


 104.4296, 71.4861,
75.5691

 3.8095, 0.8547,
0.8081

 132.8504, 94.2202,
99.8620

 1.5949, 0.0000,
0.0000

 166.0098,
121.3256, 128.8721

 0.3891, 0.0000,
0.0000

 204.2731,

 0.0000, 0.0000,

153.1868, 163.0178

0.0000

248.0058,
190.1882, 202.7177

■ 30.8251, 16.5755,
17.1975

■ 30.8251, 16.5755,
17.1975

■ 29.6948, 15.3305,
13.6898

■ 32.4321, 18.6294,
21.3097

■ 29.0556, 14.7587,
11.2986

■ 34.5749, 21.6051,
26.0624

■ 37.3049, 25.6002,
31.4883

■ 40.6666, 30.6992,
37.6172

■ 44.7002, 36.9774,
44.4768

■ 49.4422, 44.5036,
52.0929

■ 54.9265, 53.3414,
60.4900

■ 61.1846, 63.5496,
69.6912

■ 68.2463, 75.1840,
79.7188

Harmonies

Analogous

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



28.6316, 16.5755, 39.6148



30.8251, 16.5755, 17.1975



28.1846, 16.5755, 5.4954

Triad

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



30.8251, 16.5755, 17.1975



10.3423, 16.5755, 1.8160



10.7421, 16.5755, 67.3180

Complementary

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



30.8251, 16.5755, 17.1975



28.8597, 49.3057, 31.6682

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.



7.6515, 16.5755, 42.1968



30.8251, 16.5755, 17.1975



7.4666, 16.5755, 6.2010

Square

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



30.8251, 16.5755, 17.1975



15.4547, 16.5755, 0.9375



6.6268, 16.5755, 18.9259



16.0582, 16.5755, 77.7081

Rectangle

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



30.8251, 16.5755, 17.1975



24.3554, 16.5755, 2.3877



6.6268, 16.5755, 18.9259



9.4623, 16.5755, 59.7557

Sweetspot

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



30.8255, 16.5765, 17.1978



72.6754, 63.7308, 75.2994



22.8293, 11.4258, 63.2893



15.0080, 12.7721, 15.2378



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.



30.8255, 16.5765, 17.1978



44.2650, 22.5586, 17.5862



28.6256, 16.3854, 3.4890



12.6432, 12.5088, 14.0615



17.9857, 9.1306, 7.2286



1.1259, 0.5671, 0.6521

Inverse Universe

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



30.8255, 16.5765, 17.1978



44.2650, 22.5586, 17.5862



33.4307, 46.6602, 69.5315



12.6432, 12.5088, 14.0615



17.9857, 9.1306, 7.2286



1.1259, 0.5671, 0.6521

Previews

White Background



This preview shows how the XYZ color 30.8251, 16.5755, 17.1975 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 30.8251, 16.5755, 17.1975 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 30.8251, 16.5755, 17.1975

Background



This preview shows how black text looks on a background with the XYZ color 30.8251, 16.5755, 17.1975.



This preview shows how white text looks on a background with the XYZ color 30.8251, 16.5755,

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

30.8251, 16.5755, 17.1975

Protanopia

17.3854, 17.0353, 33.8243

Deuteranopia

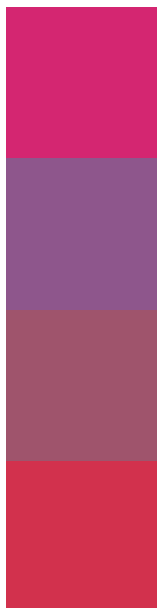
17.1790, 16.8389, 15.7094



Tritanopia

28.3992, 16.5831, 5.5749

Trichromacy



Original Color

30.8251, 16.5755, 17.1975

Protanomaly

19.2167, 14.2998, 26.5582

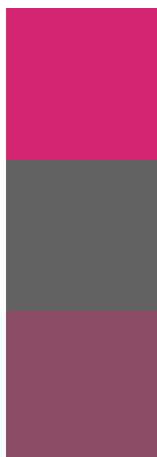
Deuteranomaly

20.1752, 14.7943, 15.9796

Tritanomaly

29.0162, 16.4341, 8.6639

Monochromacy



Original Color

30.8251, 16.5755, 17.1975

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.9678, 11.8827, 14.5487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8251, 16.5755, 17.1975 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(212, 38, 113)` looks like.

```
.text, #text, p{  
    color:rgb(212, 38, 113)  
}
```

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(212, 38, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 38, 113) }
```

Border

The CSS property to change the border of an element to XYZ 30.8251, 16.5755, 17.1975 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(212, 38, 113) }
```


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

```
.border{ border-color:rgb(212, 38, 113) }
```

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

Here you see how a box with a 4 pixel rgb(212, 38, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 38, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 38, 113);  
box-shadow:4px 4px 4px 4px rgb(212, 38,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8251, 16.5755, 17.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 38, 113) }
```

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

```
.background{ background-color: rgb(212, 38,  
113) }
```

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