

Converting Colors

XYZ(30.7296, 16.7669, 13.3484)

Have a look what the booklet for
XYZ(30.7296, 16.7669, 13.3484)
contains.

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Color

**XYZ(30.7766, 16.7829,
13.4217)**

Conversions

Conversions Part 1

Format	Color
Hex	D62963
RGB	214, 41, 99
RGB Percent	84%, 16%, 39%
CMY	0.1608, 0.8392, 0.6118
CMYK	0.00, 0.81, 0.54, 0.16
HSL	340°, 68%, 50%
HSV	340°, 81%, 84%
XYZ	30.7766, 16.7829, 13.4217
YIQ	99.3390, 84.4900, 54.7140

Conversions

Conversions Part 2

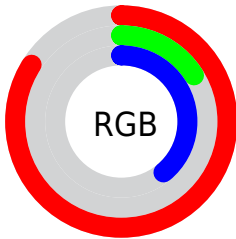
Format	Color
RYB	214, 41, 99
Decimal	14035299
CIELab	47.99, 67.55, 10.78
CIElCh	48, 68.402, 9.071
Yxy	16.7829, 0.5047, 0.2752
Android (android.graphics.Color)	4292225379 (0xFFD62963)
YUV	99.3390, -0.1671, 100.5577
Hunter-Lab	40.9669, 62.4068, 9.2521

Details

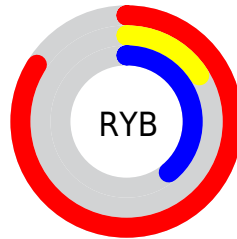
The XYZ color **30.7766, 16.7829, 13.4217** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **30.9635, 50.9654, 39.6644**, and the grayscale version is **11.9325, 12.5539, 13.6712**.

A 20% lighter version of the original color is **51.7164, 33.5331, 32.1805**, and **13.7795, 7.0293, 3.9987** is the 20% darker color. If you saturate the color by 10%, you get **29.6055, 15.4352, 9.9662**, and if you desaturate by 10%, it is **32.4701, 18.9841, 17.6428**.

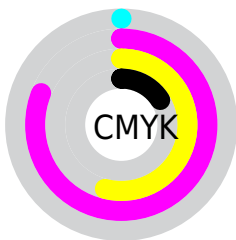
Distribution



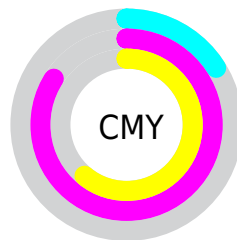
- Red (84%)
- Green (16%)
- Blue (39%)



- Red (84%)
- Yellow (16%)
- Blue (39%)



- Cyan (0%)
- Magenta (81%)
- Yellow (54%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7766, 16.7829, 13.4217 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 30.7766, 16.7829, 13.4217 by changing the saturation by 10% instead.


 30.7766, 16.7829,
13.4217


 30.7766, 16.7829,
13.4217


297.3531,
233.9182, 224.9048


 20.5798, 10.0798,
7.5854


 60.2664, 37.9521,
32.7616


 12.9279, 5.4519,
3.7469


 80.2901, 53.1871,
47.1022


 7.4556, 2.5148,
1.4875


 104.3202, 72.0348,
65.1148

 3.7975, 0.8840,
0.2086

 132.7219, 94.8796,
87.2178

 1.5882, 0.0000,
0.0000

 165.8608,
122.1059, 113.8297

 0.3847, 0.0000,
0.0000

 204.1020,

 0.0000, 0.0000,

154.0982, 145.3692

0.0000

247.8110,
191.2408, 182.2547

■ 30.7766, 16.7829,
13.4217

■ 30.7766, 16.7829,
13.4217

■ 29.6055, 15.4352,
9.9662

■ 32.4701, 18.9841,
17.6428

■ 28.8924, 14.7605,
7.4116

■ 34.7478, 22.1523,
22.6784

■ 37.6635, 26.3866,
28.5735

■ 41.2641, 31.7728,
35.3691

■ 45.5921, 38.3881,
43.1031

■ 50.6863, 46.3026,
51.8114

■ 56.5828, 55.5815,
61.5277

■ 63.3153, 66.2854,
72.2840

■ 70.9155, 78.4711,
84.1108

Harmonies

Analogous

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



29.8035, 16.7829, 33.3036



30.7766, 16.7829, 13.4217



27.0542, 16.7829, 4.1316

Triad

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



30.7766, 16.7829, 13.4217



9.5795, 16.7829, 2.5491



12.0765, 16.7829, 71.9574

Complementary

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



30.7766, 16.7829, 13.4217



30.9635, 50.9654, 39.6644

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.



8.3976, 16.7829, 49.1603



30.7766, 16.7829, 13.4217



7.2358, 16.7829, 8.6224

Square

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



30.7766, 16.7829, 13.4217



14.1527, 16.7829, 1.0651



6.8675, 16.7829, 24.1734



17.8969, 16.7829, 76.5856

Rectangle

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



30.7766, 16.7829, 13.4217



22.8625, 16.7829, 1.8747



6.8675, 16.7829, 24.1734



10.5960, 16.7829, 65.6884

Sweetspot

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



30.7770, 16.7839, 13.4220



72.6651, 64.6257, 72.4732



26.1540, 13.2587, 64.7987



14.9718, 12.9294, 14.5172



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.



30.7770, 16.7839, 13.4220



43.1925, 22.1739, 11.8023



30.1369, 18.4662, 4.0752



12.5933, 12.4888, 13.7984



17.5072, 8.9392, 4.7089



1.0939, 0.5544, 0.4840

Inverse Universe

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



30.7770, 16.7839, 13.4220



43.1925, 22.1739, 11.8023



31.0469, 41.3154, 69.9563



12.5933, 12.4888, 13.7984



17.5072, 8.9392, 4.7089



1.0939, 0.5544, 0.4840

Previews

White Background



This preview shows how the XYZ color 30.7766, 16.7829, 13.4217 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 30.7766, 16.7829, 13.4217 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 30.7766, 16.7829, 13.4217

Background



This preview shows how black text looks on a background with the XYZ color 30.7766, 16.7829, 13.4217.

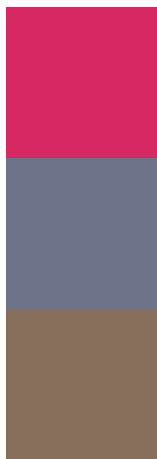


This preview shows how white text looks on a background with the XYZ color 30.7766, 16.7829,

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

30.7766, 16.7829, 13.4217

Protanopia

16.8917, 17.1272, 25.7081

Deuteranopia

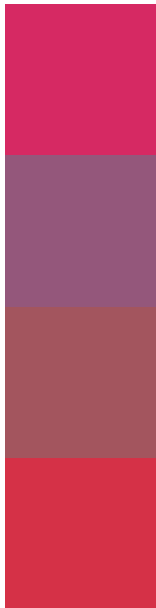
17.2958, 16.9755, 12.2625



Tritanopia

29.1141, 16.8191, 5.3264

Trichromacy



Original Color

30.7766, 16.7829, 13.4217

Protanomaly

19.1961, 14.5424, 20.5341

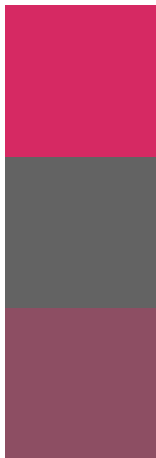
Deuteranomaly

20.3731, 15.0917, 12.4289

Tritanomaly

29.6762, 16.7977, 7.6394

Monochromacy



Original Color

30.7766, 16.7829, 13.4217

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.9610, 12.0124, 13.2818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7766, 16.7829, 13.4217 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(214, 41, 99)` looks like.

```
.text, #text, p{  
    color:rgb(214, 41, 99)  
}
```

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(214, 41, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 41, 99) }
```

Border

The CSS property to change the border of an element to XYZ 30.7766, 16.7829, 13.4217 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(214, 41, 99) }
```


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

```
.border{ border-color:rgb(214, 41, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 41, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 41, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 41, 99);  
box-shadow:4px 4px 4px 4px rgb(214, 41,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7766, 16.7829, 13.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 41, 99) }
```

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

```
.background{ background-color: rgb(214, 41,  
99) }
```

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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