

Converting Colors

XYZ(30.8487, 16.7909, 12.4415)

Have a look what the booklet for
XYZ(30.8487, 16.7909, 12.4415)
contains.

XYZ(30.8487, 16.7909, 12.4415)	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(30.8487, 16.7909,
12.4415)**

Conversions

Conversions Part 1

Format	Color
Hex	D7285F
RGB	215, 40, 95
RGB Percent	84%, 16%, 37%
CMY	0.1569, 0.8431, 0.6275
CMYK	0.00, 0.81, 0.56, 0.16
HSL	341°, 69%, 50%
HSV	341°, 81%, 84%
XYZ	30.8487, 16.7909, 12.4415
YIQ	98.5950, 86.6450, 54.2050

Conversions

Conversions Part 2

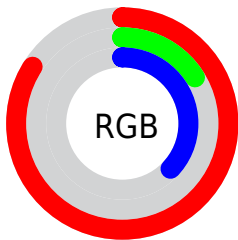
Format	Color
R_{YB}	215, 40, 95
Decimal	14100575
CIE _{Lab}	48.00, 67.77, 13.29
CIE _{LCh}	48, 69.060, 11.092
Yxy	16.7909, 0.5135, 0.2795
Android (android.graphics.Color)	4292290655 (0xFFD7285F)
YUV	98.5950, -1.7723, 102.0872
Hunter-Lab	40.9767, 62.6718, 10.6818

Details

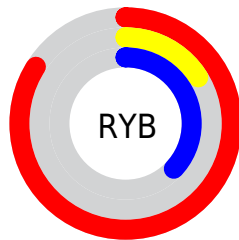
The XYZ color **30.8487, 16.7909, 12.4415** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **31.5225, 51.5907, 41.5613**, and the grayscale version is **11.7489, 12.3607, 13.4608**.

A 20% lighter version of the original color is **51.4024, 33.4075, 30.5271**, and **13.7126, 7.0026, 3.6465** is the 20% darker color. If you saturate the color by 10%, you get **29.7064, 15.4795, 9.0613**, and if you desaturate by 10%, it is **32.5212, 18.9601, 16.6246**.

Distribution



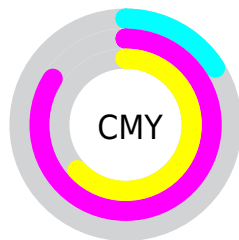
- Red (84%)
- Green (16%)
- Blue (37%)



- Red (84%)
- Yellow (16%)
- Blue (37%)



- Cyan (0%)
- Magenta (81%)
- Yellow (56%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8487, 16.7909, 12.4415 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 30.8487, 16.7909, 12.4415 by changing the saturation by 10% instead.


 30.8487, 16.7909,
12.4415

 30.8487, 16.7909,
12.4415


297.6800,
233.9645, 218.3873


 20.6349, 10.0855,
6.9189


 60.3792, 37.9659,
30.9730


 12.9683, 5.4557,
3.3338

 80.4267, 53.2043,
44.8191


 7.4836, 2.5170,
1.2675


 104.4828, 72.0559,
62.2767

 3.8153, 0.8851,
0.0349

 132.9129, 94.9050,
83.7644

 1.5982, 0.0000,
0.0000

 166.0823,
122.1360, 109.7008

 0.3912, 0.0000,
0.0000

 204.3564,

 0.0000, 0.0000,

154.1333, 140.5044

0.0000

248.1005,
191.2814, 176.5937

■ 30.8487, 16.7909,
12.4415

■ 30.8487, 16.7909,
12.4415

■ 29.7064, 15.4795,
9.0613

■ 32.5212, 18.9601,
16.6246


■ 29.0542, 14.8590,
6.7352

■ 34.7878, 22.1036,
21.6640


■ 37.7038, 26.3227,
27.6089


■ 41.3179, 31.7050,
34.5037

■ 45.6735, 38.3293,
42.3899

 50.8108, 46.2670,
51.3063

 56.7667, 55.5845,
61.2896

 63.5759, 66.3434,
72.3744

 71.2709, 78.6018,
84.5939

Harmonies

Analogous

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



30.1971, 16.7909, 31.8158



30.8487, 16.7909, 12.4415



26.8049, 16.7909, 3.7284

Triad

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



30.8487, 16.7909, 12.4415



9.3061, 16.7909, 2.6955



12.3815, 16.7909, 73.7851

Complementary

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



30.8487, 16.7909, 12.4415



31.5225, 51.5907, 41.5613

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.



8.5227, 16.7909, 51.4009



30.8487, 16.7909, 12.4415



7.0932, 16.7909, 9.2617

Square

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



30.8487, 16.7909, 12.4415



13.7625, 16.7909, 1.0497



6.8497, 16.7909, 25.7138



18.3781, 16.7909, 76.8981

Rectangle

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



30.8487, 16.7909, 12.4415



22.4833, 16.7909, 1.6893



6.8497, 16.7909, 25.7138



10.8377, 16.7909, 67.8068

Sweetspot

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



30.8491, 16.7919, 12.4418



72.5014, 64.5603, 71.6113



27.4400, 13.8561, 65.5180



14.9331, 12.9139, 14.3133



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.



30.8491, 16.7919, 12.4418



42.8809, 22.0049, 10.2980



30.7311, 19.2475, 4.1043



12.5824, 12.4845, 13.7412



17.4204, 8.9045, 4.2520



1.0877, 0.5519, 0.4513

Inverse Universe

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



30.8491, 16.7919, 12.4418



42.8809, 22.0049, 10.2980



30.0582, 39.1914, 70.2702



12.5824, 12.4845, 13.7412



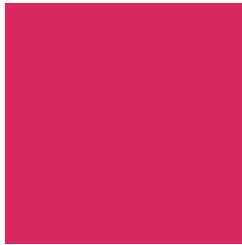
17.4204, 8.9045, 4.2520



1.0877, 0.5519, 0.4513

Previews

White Background



This preview shows how the XYZ color 30.8487, 16.7909, 12.4415 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 30.8487, 16.7909, 12.4415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

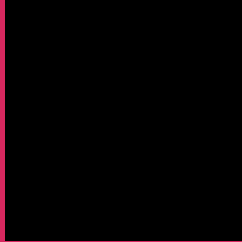
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.8487, 16.7909, 12.4415

Background



This preview shows how black text looks on a background with the XYZ color 30.8487, 16.7909, 12.4415.

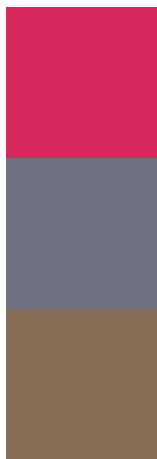


This preview shows how white text looks on a background with the XYZ color 30.8487, 16.7909,

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

30.8487, 16.7909, 12.4415

Protanopia

16.7961, 17.1181, 23.8916

Deuteranopia

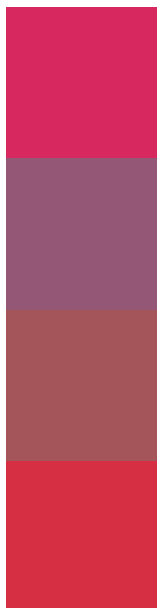
17.2879, 16.9909, 11.3852



Tritanopia

29.2670, 16.7708, 5.0627

Trichromacy



Original Color

30.8487, 16.7909, 12.4415

Protanomaly

19.0726, 14.5140, 18.9358

Deuteranomaly

20.4038, 15.1277, 11.5174

Tritanomaly

29.7915, 16.7465, 7.1311

Monochromacy



Original Color

30.8487, 16.7909, 12.4415

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.9135, 11.9933, 13.0315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8487, 16.7909, 12.4415 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(215, 40, 95)` looks like.

```
.text, #text, p{  
    color:rgb(215, 40, 95)  
}
```

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(215, 40, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 40, 95) }
```

Border

The CSS property to change the border of an element to XYZ 30.8487, 16.7909, 12.4415 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(215, 40, 95) }
```


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

```
.border{ border-color:rgb(215, 40, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 40, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 40, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 40, 95);  
box-shadow:4px 4px 4px 4px rgb(215, 40,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8487, 16.7909, 12.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 40, 95) }
```

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

```
.background{ background-color: rgb(215, 40,  
95) }
```

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