

Converting Colors

XYZ(29.9477, 16.9258, 12.2504)

Have a look what the booklet for
XYZ(29.9477, 16.9258, 12.2504)
contains.

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Color

**XYZ(30.0250, 16.9382,
12.2766)**

Conversions

Conversions Part 1

Format	Color
Hex	D3325E
RGB	211, 50, 94
RGB Percent	83%, 20%, 37%
CMY	0.1725, 0.8039, 0.6314
CMYK	0.00, 0.76, 0.55, 0.17
HSL	344°, 65%, 51%
HSV	344°, 76%, 83%
XYZ	30.0250, 16.9382, 12.2766
YIQ	103.1550, 81.8320, 47.8160

Conversions

Conversions Part 2

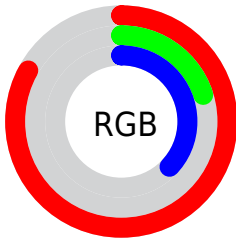
Format	Color
RYB	211, 50, 94
Decimal	13840990
CIELab	48.18, 63.88, 14.04
CIELCh	48, 65.404, 12.394
Yxy	16.9382, 0.5068, 0.2859
Android (android.graphics.Color)	4292031070 (0xFFD3325E)
YUV	103.1550, -4.5134, 94.5801
Hunter-Lab	41.1560, 58.1999, 11.1234

Details

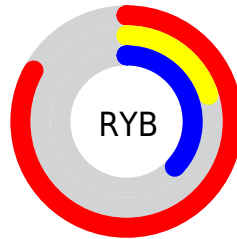
The XYZ color **30.0250, 16.9382, 12.2766** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **31.5862, 50.0573, 44.5616**, and the grayscale version is **12.9307, 13.6041, 14.8149**.

A 20% lighter version of the original color is **51.8500, 34.4255, 30.2975**, and **13.1321, 6.7058, 3.5079** is the 20% darker color. If you saturate the color by 10%, you get **28.7003, 15.2829, 8.7708**, and if you desaturate by 10%, it is **31.9026, 19.4808, 16.6415**.

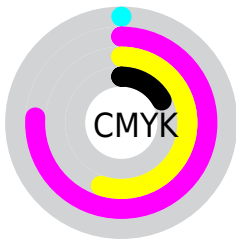
Distribution



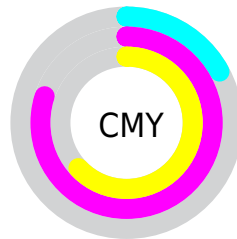
- Red (83%)
- Green (20%)
- Blue (37%)



- Red (83%)
- Yellow (20%)
- Blue (37%)



- Cyan (0%)
- Magenta (76%)
- Yellow (55%)
- Black (17%)





- Cyan (17%)
- Magenta (80%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0250, 16.9382, 12.2766 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 30.0250, 16.9382, 12.2766 by changing the saturation by 10% instead.


 30.0250, 16.9382,
12.2766


 30.0250, 16.9382,
12.2766


293.9287,
234.8160, 217.2705


 20.0057, 10.1904,
6.8075


 59.0881, 38.2195,
30.6698


 12.5075, 5.5254,
3.2654


 78.8626, 53.5218,
44.4310


 7.1649, 2.5587,
1.2317


 102.6195, 72.4444,
61.7933

 3.6127, 0.9060,
0.0048

 130.7243, 95.3718,
83.1752

 1.4855, 0.0000,
0.0000

 163.5423,
122.6882, 108.9954

 0.3159, 0.0000,
0.0000

201.4388,

 0.0000, 0.0000,

154.7781, 139.6723

0.0000

244.7791,
192.0259, 175.6245

■ 30.0250, 16.9382,
12.2766

■ 30.0250, 16.9382,
12.2766

■ 28.7003, 15.2829,
8.7708

■ 31.9026, 19.4808,
16.6415

■ 27.8552, 14.3810,
6.0590

■ 34.3900, 23.0120,
21.9207

■ 27.6189, 14.1509,
5.2328

■ 37.5378, 27.6222,
28.1657

■ 41.3908, 33.3909,
35.4232

■ 45.9901, 40.3899,
43.7370

■ 51.3731, 48.6852,
53.1482

■ 57.5750, 58.3382,
63.6955

■ 64.6285, 69.4063,
75.4158

■ 72.5649, 81.9435,
88.3444

Harmonies

Analogous

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



29.6197, 16.9382, 30.2076



30.0250, 16.9382, 12.2766



26.0901, 16.9382, 4.0136

Triad

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



30.0250, 16.9382, 12.2766



9.5626, 16.9382, 3.2999



12.8866, 16.9382, 70.4703

Complementary

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



30.0250, 16.9382, 12.2766



31.5862, 50.0573, 44.5616

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.



9.0531, 16.9382, 50.4446



30.0250, 16.9382, 12.2766



7.4840, 16.9382, 10.2146

Square

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



30.0250, 16.9382, 12.2766



13.7707, 16.9382, 1.3932



7.3239, 16.9382, 26.3899



18.6766, 16.9382, 72.3680

Rectangle

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



30.0250, 16.9382, 12.2766



21.9912, 16.9382, 1.9921



7.3239, 16.9382, 26.3899



11.3666, 16.9382, 65.2495

Sweetspot

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



30.0254, 16.9392, 12.2769



72.9901, 65.6704, 71.3649



28.4965, 15.0261, 63.0264



15.0131, 13.1207, 14.1962



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.



30.0254, 16.9392, 12.2769



43.1173, 22.4226, 10.5467



30.6799, 20.5593, 5.3702



11.9396, 11.8606, 12.9575



16.7053, 8.5550, 3.3542



0.9678, 0.4918, 0.3651

Inverse Universe

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



30.0254, 16.9392, 12.2769



43.1173, 22.4226, 10.5467



28.6225, 36.4789, 67.1605



11.9396, 11.8606, 12.9575



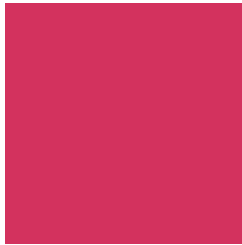
16.7053, 8.5550, 3.3542



0.9678, 0.4918, 0.3651

Previews

White Background



This preview shows how the XYZ color 30.0250, 16.9382, 12.2766 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 30.0250, 16.9382, 12.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

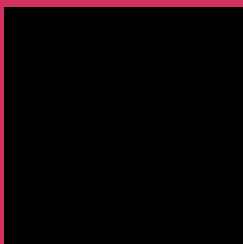
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.0250, 16.9382, 12.2766

Background



This preview shows how black text looks on a background with the XYZ color 30.0250, 16.9382, 12.2766.



This preview shows how white text looks on a background with the XYZ color 30.0250, 16.9382,

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

30.0250, 16.9382, 12.2766

Protanopia

16.7226, 17.1184, 22.1615

Deuteranopia

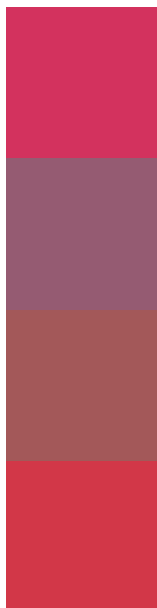
17.4090, 17.0580, 11.1791



Tritanopia

28.6232, 16.9077, 6.0299

Trichromacy



Original Color

30.0250, 16.9382, 12.2766

Protanomaly

19.1728, 15.0866, 17.8211

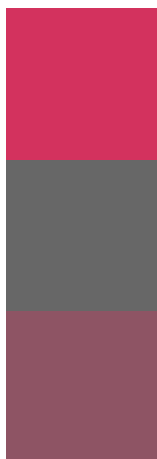
Deuteranomaly

20.3972, 15.4872, 11.3655

Tritanomaly

29.1142, 16.9019, 7.8588

Monochromacy



Original Color

30.0250, 16.9382, 12.2766

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.6259, 13.0115, 13.6918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0250, 16.9382, 12.2766 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(211, 50, 94)` looks like.

```
.text, #text, p{  
    color:rgb(211, 50, 94)  
}
```

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(211, 50, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 50, 94) }
```

Border

The CSS property to change the border of an element to XYZ 30.0250, 16.9382, 12.2766 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(211, 50, 94) }
```


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

```
.border{ border-color:rgb(211, 50, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 50, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 50, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 50, 94);  
box-shadow:4px 4px 4px 4px rgb(211, 50,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0250, 16.9382, 12.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 50, 94) }
```

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

```
.background{ background-color: rgb(211, 50,  
94) }
```

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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