

Converting Colors

XYZ(30.4120, 16.8239, 8.2717)

Have a look what the booklet for
XYZ(30.4120, 16.8239, 8.2717)
contains.

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Color

**XYZ(30.4528, 16.8347,
8.3010)**

Conversions

Conversions Part 1

Format	Color
Hex	D82B4B
RGB	216, 43, 75
RGB Percent	85%, 17%, 29%
CMY	0.1529, 0.8313, 0.7059
CMYK	0.00, 0.80, 0.65, 0.15
HSL	349°, 69%, 51%
HSV	349°, 80%, 85%
XYZ	30.4528, 16.8347, 8.3010
YIQ	98.3750, 92.8360, 46.6280

Conversions

Conversions Part 2

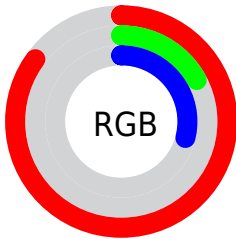
Format	Color
RYB	216, 43, 75
Decimal	14166859
CIELab	48.05, 66.05, 25.63
CIElCh	48, 70.852, 21.206
Yxy	16.8347, 0.5478, 0.3028
Android (android.graphics.Color)	4292356939 (0xFFD82B4B)
YUV	98.3750, -11.5239, 103.1571
Hunter-Lab	41.0301, 60.6811, 16.7258

Details

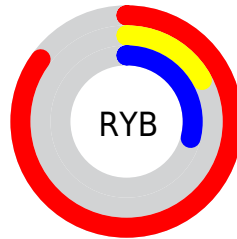
The XYZ color **30.4528, 16.8347, 8.3010** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **34.2058, 53.0867, 53.7991**, and the grayscale version is **11.7162, 12.3264, 13.4234**.

A 20% lighter version of the original color is **50.0321, 33.0233, 22.8059**, and **13.3976, 6.8766, 1.9877** is the 20% darker color. If you saturate the color by 10%, you get **29.3430, 15.4499, 5.3583**, and if you desaturate by 10%, it is **32.1454, 19.1188, 12.2608**.

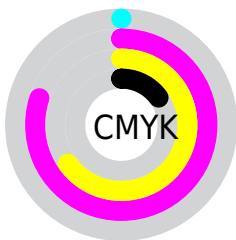
Distribution



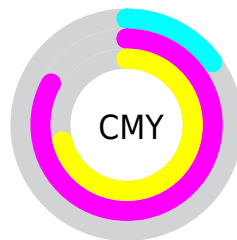
- Red (85%)
- Green (17%)
- Blue (29%)



- Red (85%)
- Yellow (17%)
- Blue (29%)



- Cyan (0%)
- Magenta (80%)
- Yellow (65%)
- Black (15%)





- Cyan (15%)
- Magenta (83%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4528, 16.8347, 8.3010 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 30.4528, 16.8347, 8.3010 by changing the saturation by 10% instead.

 30.4528, 16.8347,
8.3010


 30.4528, 16.8347,
8.3010


295.8815,
234.2180, 188.0961

 20.3323, 10.1167,
4.1976


 59.7592, 38.0413,
23.1023


 12.7465, 5.4764,
1.7344

 79.6759, 53.2988,
34.6373


 7.3300, 2.5294,
0.3841


 103.5887, 72.1715,
49.4865

 3.7175, 0.8913,
0.0000

 131.8629, 95.0439,
68.0686

 1.5436, 0.0000,
0.0000

 164.8639,
122.3003, 90.8021

 0.3552, 0.0000,
0.0000

 202.9571,

 0.0000, 0.0000,

154.3252, 118.1055

0.0000

246.5079,
191.5030, 150.3973

■ 30.4528, 16.8347,
8.3010

■ 30.4528, 16.8347,
8.3010

■ 29.3430, 15.4499,
5.3583

■ 32.1454, 19.1188,
12.2608

■ 28.7007, 14.7516,
3.3367

■ 34.4898, 22.4192,
17.3221

■ 37.5462, 26.8387,
23.5610

■ 41.3674, 32.4664,
31.0464

■ 46.0014, 39.3823,
39.8418

■ 51.4918, 47.6598,
50.0063

■ 57.8795, 57.3665,
61.5953

■ 65.2023, 68.5658,
74.6614

■ 73.4962, 81.3169,
89.2540

Harmonies

Analogous

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



31.5237, 16.8347, 24.2707



30.4528, 16.8347, 8.3010



25.0266, 16.8347, 2.2906

Triad

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



30.4528, 16.8347, 8.3010



8.1918, 16.8347, 3.9204



14.1903, 16.8347, 79.9749

Complementary

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



30.4528, 16.8347, 8.3010



34.2058, 53.0867, 53.7991

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.



9.4571, 16.8347, 61.8702



30.4528, 16.8347, 8.3010



6.6532, 16.8347, 13.4478

Square

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



30.4528, 16.8347, 8.3010



11.9457, 16.8347, 1.1896



7.0446, 16.8347, 34.2824



20.8833, 16.8347, 74.8188

Rectangle

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



30.4528, 16.8347, 8.3010



20.3070, 16.8347, 1.1094



7.0446, 16.8347, 34.2824



12.3511, 16.8347, 76.1231

Sweetspot

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



30.4532, 16.8357, 8.3013



71.5208, 64.1680, 66.4472



32.4096, 16.5592, 66.4535



14.7022, 12.8216, 13.0978



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.



30.4532, 16.8357, 8.3013



42.0515, 21.7617, 5.6571



32.8392, 22.9417, 4.9843



12.5161, 12.4579, 13.3921



17.0171, 8.7432, 2.1282



1.0549, 0.5388, 0.2786

Inverse Universe

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



30.4532, 16.8357, 8.3013



42.0515, 21.7617, 5.6571



26.6856, 32.0600, 69.7471



12.5161, 12.4579, 13.3921



17.0171, 8.7432, 2.1282



1.0549, 0.5388, 0.2786

Previews

White Background



This preview shows how the XYZ color 30.4528, 16.8347, 8.3010 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 30.4528, 16.8347, 8.3010 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 30.4528, 16.8347, 8.3010

Background



This preview shows how black text looks on a background with the XYZ color 30.4528, 16.8347, 8.3010.

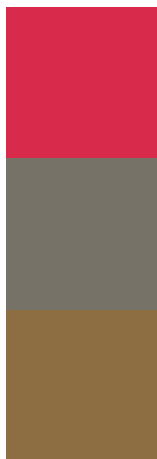


This preview shows how white text looks on a background with the XYZ color 30.4528, 16.8347,

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

30.4528, 16.8347, 8.3010

Protanopia

16.1238, 16.9560, 15.5197

Deuteranopia

17.3745, 17.1207, 7.5431



Tritanopia

29.6770, 16.8654, 4.5969

Trichromacy



Original Color

30.4528, 16.8347, 8.3010

Protanomaly

18.7919, 14.6398, 12.1912

Deuteranomaly

20.5504, 15.4101, 7.5215

Tritanomaly

29.8046, 16.7856, 5.6721

Monochromacy



Original Color

30.4528, 16.8347, 8.3010

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

15.5544, 11.8497, 11.1403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4528, 16.8347, 8.3010 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(216, 43, 75)` looks like.

```
.text, #text, p{  
    color:rgb(216, 43, 75)  
}
```

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(216, 43, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 43, 75) }
```

Border

The CSS property to change the border of an element to XYZ 30.4528, 16.8347, 8.3010 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(216, 43, 75) }
```


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

```
.border{ border-color:rgb(216, 43, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 43, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 43, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 43, 75);  
box-shadow:4px 4px 4px 4px rgb(216, 43,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4528, 16.8347, 8.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 43, 75) }
```

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

```
.background{ background-color: rgb(216, 43,  
75) }
```

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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