

Converting Colors

XYZ(30.2244, 16.4027, 2.3322)

Have a look what the booklet for
XYZ(30.2244, 16.4027, 2.3322)
contains.

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Color

**XYZ(30.2320, 16.4176,
2.3346)**

Conversions

Conversions Part 1

Format	Color
Hex	DC2216
RGB	220, 34, 22
RGB Percent	86%, 13%, 9%
CMY	0.1373, 0.8666, 0.9137
CMYK	0.00, 0.85, 0.90, 0.14
HSL	4°, 82%, 47%
HSV	4°, 90%, 86%
XYZ	30.2320, 16.4176, 2.3346
YIQ	88.2460, 114.7080, 35.7000

Conversions

Conversions Part 2

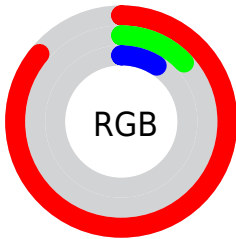
Format	Color
RYB	220, 35, 22
Decimal	14426646
CIELab	47.52, 67.52, 53.95
CIELCh	48, 86.431, 38.624
Yxy	16.4176, 0.6172, 0.3352
Android (android.graphics.Color)	4292616726 (0xFFDC2216)
YUV	88.2460, -32.6593, 115.5483
Hunter-Lab	40.5186, 62.2758, 24.9469

Details

The XYZ color **30.2320, 16.4176, 2.3346** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **35.8002, 50.4401, 75.5585**, and the grayscale version is **9.3833, 9.8720, 10.7506**.

A 20% lighter version of the original color is **46.9027, 30.8165, 9.2705**, and **13.5176, 6.9686, 0.6326** is the 20% darker color. If you saturate the color by 10%, you get **29.6634, 15.5125, 1.4308**, and if you desaturate by 10%, it is **31.3208, 18.0999, 4.2259**.

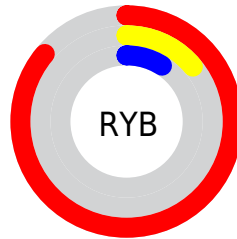
Distribution



Red (86%)

Green (13%)

Blue (9%)



Red (86%)

Yellow (14%)

Blue (9%)

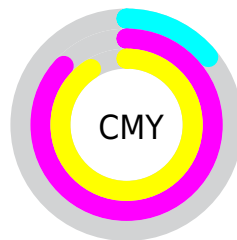


Cyan (0%)

Magenta (85%)

Yellow (90%)

Black (14%)



Cyan (14%)


Magenta (87%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2320, 16.4176, 2.3346 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 30.2320, 16.4176, 2.3346 by changing the saturation by 10% instead.


 30.2320, 16.4176,
2.3346


 30.2320, 16.4176,
2.3346


294.8748,
231.7934, 127.3734


 20.1637, 9.8201,
0.7505


 59.4130, 37.3217,
9.9369


 12.6230, 5.2799,
0.0000


 79.2564, 52.3971,
16.8076


 7.2447, 2.4124,
0.0000


 103.0889, 71.0672,
26.2827

 3.6633, 0.8323,
0.0000

 131.2758, 93.7166,
38.7808

 1.5135, 0.0000,
0.0000

 164.1825,
120.7295, 54.7203


 0.3350, 0.0000,
0.0000


 202.1743,


 0.0000, 0.0000,


152.4903, 74.5199


0.0000


 245.6166,
189.3835, 98.5981


 30.2320, 16.4176,
2.3346


 30.2320, 16.4176,
2.3346


 29.6634, 15.5125,
1.4308


 31.3208, 18.0999,
4.2259

 29.6634, 15.5125,
1.4308

 33.0381, 20.6885,
7.4064

 35.4605, 24.2883,
12.0519

 38.6533, 28.9890,
18.3104

 42.6743, 34.8704,
26.3117

■ 47.5758, 42.0048,
36.1725

■ 53.4058, 50.4588,
47.9995

■ 60.2089, 60.2945,
61.8912

■ 68.0266, 71.5696,
77.9396

Harmonies

Analogous

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



35.2509, 16.4176, 12.2508



30.2320, 16.4176, 2.3346



21.6346, 16.4176, 0.1008

Triad

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



30.2320, 16.4176, 2.3346



5.4917, 16.4176, 6.4614



17.9271, 16.4176, 100.8676

Complementary

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



30.2320, 16.4176, 2.3346



35.8002, 50.4401, 75.5585

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.



10.8139, 16.4176, 93.3512



30.2320, 16.4176, 2.3346



5.0791, 16.4176, 25.0034

Square

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



30.2320, 16.4176, 2.3346



8.0780, 16.4176, 1.0075



6.6721, 16.4176, 59.4480



26.7666, 16.4176, 75.5212

Rectangle

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



30.2320, 16.4176, 2.3346



15.9620, 16.4176, 0.0000



6.6721, 16.4176, 59.4480



15.2523, 16.4176, 102.3529

Sweetspot

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



30.2323, 16.4186, 2.3348



68.6037, 61.7812, 54.8472



41.4471, 20.4475, 62.7998



14.1222, 12.4079, 10.6033



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.



30.2323, 16.4186, 2.3348



41.4177, 21.6153, 1.9892



37.7626, 31.4792, 4.8449



13.1192, 13.1777, 13.5777



17.4365, 9.1585, 0.8488



1.1525, 0.6390, 0.0626

Inverse Universe

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



35.8002, 50.4401, 75.5585



49.0694, 69.2588, 105.3898



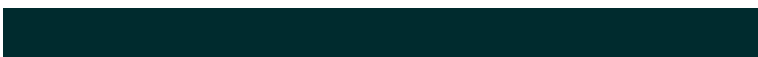
18.9445, 16.7287, 69.9400



13.3737, 14.6871, 16.7822



20.6565, 29.1825, 44.2825



1.3592, 1.9325, 2.8758

Previews

White Background



This preview shows how the XYZ color 30.2320, 16.4176, 2.3346 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 30.2320, 16.4176, 2.3346 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 30.2320, 16.4176, 2.3346

Background



This preview shows how black text looks on a background with the XYZ color 30.2320, 16.4176, 2.3346.



This preview shows how white text looks on a background with the XYZ color 30.2320, 16.4176,

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

30.2320, 16.4176, 2.3346

Protanopia

15.1527, 16.6999, 4.4322

Deuteranopia

16.6903, 16.5648, 2.3176



Tritanopia

30.2934, 16.3971, 2.7966

Trichromacy



Original Color

30.2320, 16.4176, 2.3346

Protanomaly

18.2210, 14.1839, 3.2163

Deuteranomaly

19.7808, 14.5603, 1.9976

Tritanomaly

30.2569, 16.3825, 2.6043

Monochromacy



Original Color

30.2320, 16.4176, 2.3346

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

13.1459, 9.7387, 6.0374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2320, 16.4176, 2.3346 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(220, 34, 22)` looks like.

```
.text, #text, p{  
    color:rgb(220, 34, 22)  
}
```

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(220, 34, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 34, 22) }
```

Border

The CSS property to change the border of an element to XYZ 30.2320, 16.4176, 2.3346 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(220, 34, 22) }
```


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

```
.border{ border-color:rgb(220, 34, 22) }
```

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

Here you see how a box with a 4 pixel rgb(220, 34, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 34, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 34, 22);  
box-shadow:4px 4px 4px 4px rgb(220, 34,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2320, 16.4176, 2.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 34, 22) }
```

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

```
.background{ background-color: rgb(220, 34,  
22) }
```

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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