

Converting Colors

XYZ(30.4558, 16.0137, 2.0672)

Have a look what the booklet for
XYZ(30.4558, 16.0137, 2.0672)
contains.

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Color

**XYZ(30.4497, 16.0059,
2.0568)**

Conversions

Conversions Part 1

Format	Color
Hex	DE1212
RGB	222, 18, 18
RGB Percent	87%, 7%, 7%
CMY	0.1294, 0.9293, 0.9294
CMYK	0.00, 0.92, 0.92, 0.13
HSL	0°, 85%, 47%
HSV	0°, 92%, 87%
XYZ	30.4497, 16.0059, 2.0568
YIQ	78.9960, 121.5840, 43.2480

Conversions

Conversions Part 2

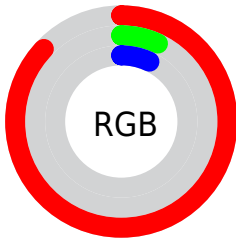
Format	Color
RYB	222, 18, 18
Decimal	14553618
CIELab	46.98, 70.65, 55.33
CIElCh	47, 89.735, 38.064
Yxy	16.0059, 0.6277, 0.3299
Android (android.graphics.Color)	4292743698 (0xFFDE1212)
YUV	78.9960, -30.0710, 125.4145
Hunter-Lab	40.0074, 65.8438, 24.9570

Details

The XYZ color **30.4497, 16.0059, 2.0568** 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 **39.5457, 57.6256, 78.1453**, and the grayscale version is **7.4741, 7.8634, 8.5632**.

A 20% lighter version of the original color is **46.2558, 29.6707, 8.5992**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **30.1244, 15.5303, 1.4099**, and if you desaturate by 10%, it is **31.2770, 17.2173, 3.7001**.

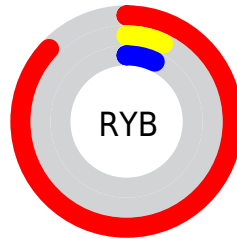
Distribution



Red (87%)

Green (7%)

Blue (7%)



Red (87%)

Yellow (7%)

Blue (7%)

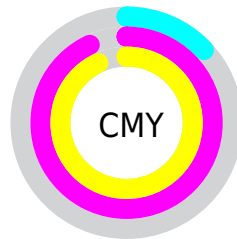


Cyan (0%)

Magenta (92%)

Yellow (92%)

Black (13%)



Cyan (13%)


Magenta (93%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4497, 16.0059, 2.0568 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 30.4497, 16.0059, 2.0568 by changing the saturation by 10% instead.

 30.4497, 16.0059,
2.0568


 30.4497, 16.0059,
2.0568


295.8674,
229.3765, 123.2526


 20.3299, 9.5283,
0.5899


 59.7544, 36.6084,
9.1955

 12.7448, 5.0874,
0.0000


 79.6700, 51.5022,
15.7508


 7.3288, 2.2986,
0.0000


 103.5817, 69.9702,
24.8546

 3.7167, 0.7730,
0.0000

 131.8547, 92.3967,
36.9257

 1.5432, 0.0000,
0.0000

 164.8544,
119.1662, 52.3825

 0.3549, 0.0000,
0.0000

 202.9462,


 0.0000, 0.0000,


150.6631, 71.6435


0.0000


 246.4954,
187.2717, 95.1274

 30.4497, 16.0059,
2.0568

 30.4497, 16.0059,
2.0568


 30.1244, 15.5303,
1.4099

 31.2770, 17.2173,
3.7001

 32.7505, 19.3737,
6.6285

 34.9668, 22.6169,
11.0337

 38.0062, 27.0647,
17.0756

 41.9387, 32.8192,
24.8931

■ 46.8269, 39.9718,
34.6105

■ 52.7274, 48.6059,
46.3410

■ 59.6929, 58.7982,
60.1888

■ 67.7722, 70.6201,
76.2511

Harmonies

Analogous

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



35.5715, 16.0059, 12.0423



30.4497, 16.0059, 2.0568



21.5733, 16.0059, 0.0000

Triad

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



30.4497, 16.0059, 2.0568



5.0716, 16.0059, 5.7575



17.4290, 16.0059, 104.7509

Complementary

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



30.4497, 16.0059, 2.0568



39.5457, 57.6256, 78.1453

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.



10.2448, 16.0059, 96.0741



30.4497, 16.0059, 2.0568



4.6316, 16.0059, 24.2182

Square

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



30.4497, 16.0059, 2.0568



7.6788, 16.0059, 0.7239



6.1586, 16.0059, 59.9416



26.5385, 16.0059, 78.3745

Rectangle

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



30.4497, 16.0059, 2.0568



15.7285, 16.0059, 0.0000



6.1586, 16.0059, 59.9416



14.7092, 16.0059, 106.0873

Sweetspot

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



30.4500, 16.0069, 2.0570



66.9100, 58.8242, 52.9555



43.5250, 21.2360, 70.9116



13.6157, 11.5581, 9.9317



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.



30.4500, 16.0069, 2.0570



41.2405, 21.2610, 1.9302



36.9496, 29.0060, 4.2235



13.7075, 13.7009, 14.2289



17.8935, 9.2250, 0.8375



1.2403, 0.6396, 0.0581

Inverse Universe

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



39.5457, 57.6256, 78.1453



53.7957, 78.7114, 106.9652



20.1506, 18.8353, 71.6802



14.1164, 15.5720, 17.6494



23.3410, 34.1515, 46.4101



1.6179, 2.3673, 3.2169

Previews

White Background



This preview shows how the XYZ color 30.4497, 16.0059, 2.0568 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



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 30.4497, 16.0059, 2.0568

Background



This preview shows how black text looks on a background with the XYZ color 30.4497, 16.0059, 2.0568.



This preview shows how white text looks on a background with the XYZ color 30.4497, 16.0059,

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

30.4497, 16.0059, 2.0568

Protanopia

14.8432, 16.3794, 4.1295

Deuteranopia

16.4130, 16.2662, 2.2746



Tritanopia

30.3571, 15.9953, 1.4874

Trichromacy



Original Color

30.4497, 16.0059, 2.0568

Protanomaly

17.6567, 13.1196, 2.8300

Deuteranomaly

19.3490, 13.7054, 1.8266

Tritanomaly

30.3954, 16.0107, 1.6894

Monochromacy



Original Color

30.4497, 16.0059, 2.0568

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

11.5617, 8.0470, 4.8147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4497, 16.0059, 2.0568 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(222, 18, 18)` looks like.

```
.text, #text, p{  
  color:rgb(222, 18, 18)  
}
```

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(222, 18, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 18, 18) }
```

Border

The CSS property to change the border of an element to XYZ 30.4497, 16.0059, 2.0568 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(222, 18, 18) }
```


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

```
.border{ border-color:rgb(222, 18, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 18, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 18, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 18, 18);  
box-shadow:4px 4px 4px 4px rgb(222, 18,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4497, 16.0059, 2.0568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 18, 18) }
```

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

```
.background{ background-color: rgb(222, 18,  
18) }
```

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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