

Converting Colors

XYZ(30.3403, 18.3216, 2.9865)

Have a look what the booklet for
XYZ(30.3403, 18.3216, 2.9865)
contains.

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Color

**XYZ(30.3501, 18.3449,
2.9782)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D8401B |
| RGB | 216, 64, 27 |
| RGB Percent | 85%, 25%, 11% |
| CMY | 0.1529, 0.7490, 0.8941 |
| CMYK | 0.00, 0.70, 0.87, 0.15 |
| HSL | 12°, 78%, 48% |
| HSV | 12°, 87%, 85% |
| XYZ | 30.3501, 18.3449, 2.9782 |
| YIQ | 105.2300, 102.4690, 20.7170 |

Conversions

Conversions Part 2

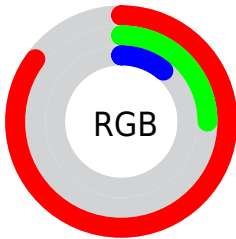
| Format | Color |
|-------------------------------------|---|
| RYB | 216, 73, 27 |
| Decimal | 14172187 |
| CIELab | 49.91, 57.65, 53.38 |
| CIElCh | 50, 78.568, 42.799 |
| Yxy | 18.3449, 0.5873, 0.3550 |
| Android (android.graphics.Color) | 4292362267 (0xFFD8401B) |
| YUV | 105.2300, -38.5674, 97.1453 |
| Hunter-Lab | 42.8309, 51.5313, 25.8590 |

Details

The XYZ color **30.3501, 18.3449, 2.9782** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **28.9645, 37.4266, 70.6626**, and the grayscale version is **13.5728, 14.2797, 15.5505**.

A 20% lighter version of the original color is **49.2610, 35.2147, 11.0383**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **29.3504, 16.6151, 1.8152**, and if you desaturate by 10%, it is **31.8355, 20.7589, 5.1908**.

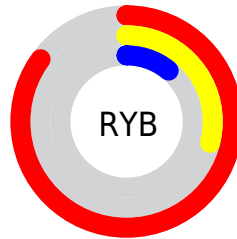
Distribution



Red (85%)

Green (25%)

Blue (11%)



Red (85%)

Yellow (29%)

Blue (11%)

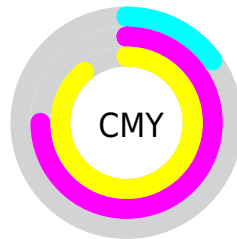


Cyan (0%)

Magenta (70%)

Yellow (87%)

Black (15%)



Cyan (15%)


Magenta (75%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3501, 18.3449, 2.9782 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 30.3501, 18.3449, 2.9782 by changing the saturation by 10% instead.


 30.3501, 18.3449,
2.9782


 30.3501, 18.3449,
2.9782


295.4136,
242.8080, 136.0825


 20.2539, 11.1979,
1.0835


 59.5982, 40.6242,
11.5746


 12.6891, 6.2001,
0.0000


 79.4809, 56.5252,
19.1134

 7.2903, 2.9671,
0.0000


 103.3563, 76.1130,
29.3706

 3.6922, 1.1146,
0.0000

 131.5899, 99.7720,
42.7649

 1.5295, 0.0000,
0.0000

 164.5471,
127.8867, 59.7146


 0.3458, 0.0000,
0.0000


 202.5932,


 0.0000, 0.0000,


160.8412, 80.6384


0.0000


 246.0936,
199.0202, 105.9549


 30.3501, 18.3449,
2.9782

 30.3501, 18.3449,
2.9782


 29.3504, 16.6151,
1.8152


 31.8355, 20.7589,
5.1908

 29.1572, 16.2759,
1.6048

 33.8688, 23.9202,
8.6597

 36.5011, 27.8869,
13.5386

 39.7769, 32.7102,
19.9586

 43.7363, 38.4370,
28.0359

■ 48.4159, 45.1106,
37.8753

■ 53.8499, 52.7717,
49.5730

■ 60.0701, 61.4585,
63.2181

■ 67.1065, 71.2071,
78.8942

Harmonies

Analogous

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



35.6890, 18.3449, 12.1306



30.3501, 18.3449, 2.9782



22.0737, 18.3449, 0.7691

Triad

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



30.3501, 18.3449, 2.9782



6.9466, 18.3449, 10.0569



20.8412, 18.3449, 93.7331

Complementary

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



30.3501, 18.3449, 2.9782



28.9645, 37.4266, 70.6626

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.



13.4986, 18.3449, 91.4432



30.3501, 18.3449, 2.9782



6.7920, 18.3449, 30.6296

Square

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



30.3501, 18.3449, 2.9782



9.3388, 18.3449, 2.3892



8.8301, 18.3449, 63.4151



29.2272, 18.3449, 68.4017

Rectangle

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



30.3501, 18.3449, 2.9782



16.7394, 18.3449, 0.5300



8.8301, 18.3449, 63.4151



18.1522, 18.3449, 96.5067

Sweetspot

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



30.3505, 18.3460, 2.9785



71.4390, 67.0136, 57.1432



37.0870, 18.7333, 45.5655



14.7444, 13.5685, 11.0690



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.



30.3505, 18.3460, 2.9785



42.3778, 23.5356, 2.3093



40.4301, 38.5051, 6.3383



12.6182, 12.8106, 12.9683



17.3185, 9.7543, 0.9700



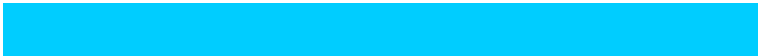
1.1031, 0.7055, 0.0780

Inverse Universe

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



28.9645, 37.4266, 70.6626



39.8969, 50.9138, 102.3323



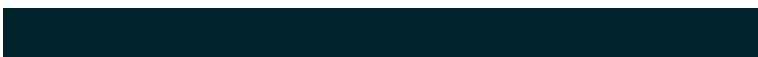
16.2427, 11.9831, 66.4220



12.5760, 13.6754, 15.9143



16.3381, 20.9380, 41.6335



1.0394, 1.3709, 2.5291

Previews

White Background



This preview shows how the XYZ color 30.3501, 18.3449, 2.9782 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 30.3501, 18.3449, 2.9782 looks on a black 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

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

XYZ 30.3501, 18.3449, 2.9782

Background



This preview shows how black text looks on a background with the XYZ color 30.3501, 18.3449, 2.9782.



This preview shows how white text looks on a background with the XYZ color 30.3501, 18.3449,

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

30.3501, 18.3449, 2.9782

Protanopia

16.9482, 18.6614, 4.8066

Deuteranopia

18.6676, 18.3896, 2.5657



Tritanopia

31.1283, 18.3423, 6.6024

Trichromacy



Original Color

30.3501, 18.3449, 2.9782

Protanomaly

20.1855, 17.1342, 3.9124

Deuteranomaly

21.8262, 17.3203, 2.4799

Tritanomaly

30.8597, 18.3195, 4.9271

Monochromacy



Original Color

30.3501, 18.3449, 2.9782

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

16.6728, 13.8679, 8.8192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3501, 18.3449, 2.9782 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, 64, 27)` looks like.

```
.text, #text, p{  
    color:rgb(216, 64, 27)  
}
```

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, 64, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 64, 27) }
```

Border

The CSS property to change the border of an element to XYZ 30.3501, 18.3449, 2.9782 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, 64, 27) }
```


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

```
.border{ border-color:rgb(216, 64, 27) }
```

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

Here you see how a box with a 4 pixel rgb(216, 64, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 64, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 64, 27);  
box-shadow:4px 4px 4px 4px rgb(216, 64,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3501, 18.3449, 2.9782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 64, 27) }
```

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

```
.background{ background-color: rgb(216, 64,  
27) }
```

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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