

Converting Colors

XYZ(30.3892, 18.2538, 1.9216)

Have a look what the booklet for
XYZ(30.3892, 18.2538, 1.9216)
contains.

XYZ(30.3379, 18.1970, 1.9134)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.3379, 18.1970,
1.9134)**

Conversions

Conversions Part 1

Format	Color
Hex	D93E00
RGB	217, 62, 0
RGB Percent	85%, 24%, 0%
CMY	0.1490, 0.7568, 1.0000
CMYK	0.00, 0.71, 1.00, 0.15
HSL	17°, 100%, 43%
HSV	17°, 100%, 85%
XYZ	30.3379, 18.1970, 1.9134
YIQ	101.2770, 112.2820, 13.5780

Conversions

Conversions Part 2

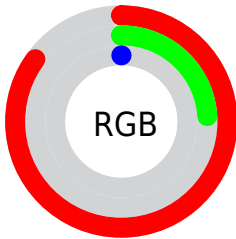
Format	Color
RYB	217, 87, 0
Decimal	14237184
CIELab	49.73, 58.37, 61.34
CIELCh	50, 84.671, 46.421
Yxy	18.1970, 0.6014, 0.3607
Android (android.graphics.Color)	4292427264 (0xFFD93E00)
YUV	101.2770, -49.9296, 101.4891
Hunter-Lab	42.6579, 52.2960, 27.2011

Details

The XYZ color **30.3379, 18.1970, 1.9134** 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 **24.2441, 28.4493, 69.8585**, and the grayscale version is **12.5475, 13.2010, 14.3758**.

A 20% lighter version of the original color is **48.6262, 34.7694, 8.2860**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **30.3381, 18.1978, 1.9135**, and if you desaturate by 10%, it is **31.4467, 20.1879, 2.9833**.

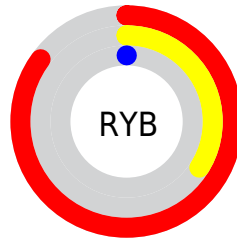
Distribution



Red (85%)

Green (24%)

Blue (0%)



Red (85%)

Yellow (34%)

Blue (0%)

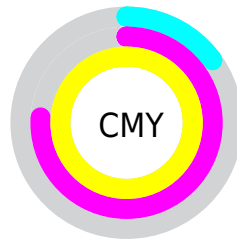


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3379, 18.1970, 1.9134 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 30.3379, 18.1970, 1.9134 by changing the saturation by 10% instead.


 30.3379, 18.1970,
1.9134

 30.3379, 18.1970,
1.9134


 295.3580,
241.9791, 121.0172


 20.2446, 11.0915,
0.5012


 59.5791, 40.3727,
8.8027


 12.6822, 6.1284,
0.0000


 79.4577, 56.2118,
15.1870

 7.2856, 2.9233,
0.0000


 103.3287, 75.7307,
24.0892

 3.6892, 1.0918,
0.0000

 131.5575, 99.3141,
35.9279

 1.5279, 0.0000,
0.0000

 164.5095,
127.3462, 51.1214

 0.3447, 0.0000,
0.0000


 202.5500,


 0.0000, 0.0000,


160.2115, 70.0885


0.0000


 246.0444,
198.2943, 93.2476


 30.3379, 18.1970,
1.9134


 30.3379, 18.1970,
1.9134


 30.3381, 18.1978,
1.9135

 31.4467, 20.1879,
2.9833

 32.9737, 22.7594,
4.9795

 34.9885, 25.9671,
8.1847

 37.5359, 29.8537,
12.7586

 40.6548, 34.4573,
18.8362

■ 44.3802, 39.8133,
26.5361

■ 48.7440, 45.9543,
35.9649

■ 53.7759, 52.9114,
47.2201

■ 59.5035, 60.7133,
60.3919

Harmonies

Analogous

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



36.8398, 18.1970, 9.7246



30.3379, 18.1970, 1.9134



21.1977, 18.1970, 0.2408

Triad

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



30.3379, 18.1970, 1.9134



6.1777, 18.1970, 11.1090



22.0597, 18.1970, 100.2261

Complementary

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



30.3379, 18.1970, 1.9134



24.2441, 28.4493, 69.8585

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.



13.9046, 18.1970, 101.9150



30.3379, 18.1970, 1.9134



6.2784, 18.1970, 35.2047

Square

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



30.3379, 18.1970, 1.9134



8.3192, 18.1970, 2.2602



8.6575, 18.1970, 72.5344



31.1356, 18.1970, 68.8983

Rectangle

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



30.3379, 18.1970, 1.9134



15.6190, 18.1970, 0.1124



8.6575, 18.1970, 72.5344



19.0883, 18.1970, 104.8110

Sweetspot

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



30.3383, 18.1981, 1.9137



70.0641, 65.9702, 51.4239



34.5750, 17.1356, 32.7237



14.4016, 13.2870, 9.7087



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.



30.3383, 18.1981, 1.9137



43.6139, 26.0078, 2.7213



42.9866, 43.4948, 6.1298



13.3576, 13.6545, 13.6571



18.4437, 11.1729, 1.1845



1.2676, 0.8694, 0.1010

Inverse Universe

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



24.2441, 28.4493, 69.8585



34.8049, 40.7298, 100.6350



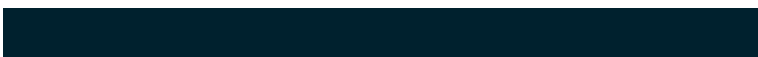
13.5416, 7.0443, 66.2910



13.1141, 14.1680, 16.6956



14.7704, 17.4102, 42.3204



1.0290, 1.2722, 2.7658

Previews

White Background



This preview shows how the XYZ color 30.3379, 18.1970, 1.9134 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 30.3379, 18.1970, 1.9134 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 30.3379, 18.1970, 1.9134

Background



This preview shows how black text looks on a background with the XYZ color 30.3379, 18.1970, 1.9134.



This preview shows how white text looks on a background with the XYZ color 30.3379, 18.1970,

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

30.3379, 18.1970, 1.9134

Protanopia

16.5932, 18.3279, 3.5272

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

31.2421, 18.2578, 6.1524

Trichromacy



Original Color

30.3379, 18.1970, 1.9134

Protanomaly

19.7637, 16.6624, 2.6264

Deuteranomaly

21.4583, 17.0041, 2.1511

Tritanomaly

30.8273, 18.1733, 3.7167

Monochromacy



Original Color

30.3379, 18.1970, 1.9134

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.6613, 13.0262, 6.5394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3379, 18.1970, 1.9134 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(217, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 62, 0)  
}
```

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(217, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 62, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.3379, 18.1970, 1.9134 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(217, 62, 0) }
```


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

```
.border{ border-color:rgb(217, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 62, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.3379, 18.1970, 1.9134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 62, 0) }
```

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

```
.background{ background-color: rgb(217, 62,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor