

Converting Colors

XYZ(30.4378, 18.5070, 1.9680)

Have a look what the booklet for
XYZ(30.4378, 18.5070, 1.9680)
contains.

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Color

**XYZ(30.5056, 18.5323,
1.9693)**

Conversions

Conversions Part 1

Format	Color
Hex	D94100
RGB	217, 65, 0
RGB Percent	85%, 25%, 0%
CMY	0.1490, 0.7451, 1.0000
CMYK	0.00, 0.70, 1.00, 0.15
HSL	18°, 100%, 43%
HSV	18°, 100%, 85%
XYZ	30.5056, 18.5323, 1.9693
YIQ	103.0380, 111.4570, 12.0090

Conversions

Conversions Part 2

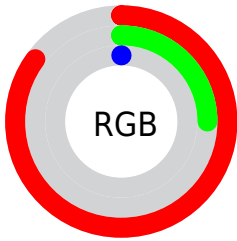
Format	Color
RYB	217, 93, 0
Decimal	14237952
CIELab	50.14, 57.27, 61.53
CIELCh	50, 84.055, 47.054
Yxy	18.5323, 0.5981, 0.3633
Android (android.graphics.Color)	4292428032 (0xFFD94100)
YUV	103.0380, -50.7977, 99.9447
Hunter-Lab	43.0492, 51.1531, 27.4222

Details

The XYZ color **30.5056, 18.5323, 1.9693** 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 **23.7514, 27.4639, 69.6944**, and the grayscale version is **13.0129, 13.6906, 14.9091**.

A 20% lighter version of the original color is **48.8930, 35.2610, 8.5041**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **30.5058, 18.5331, 1.9694**, and if you desaturate by 10%, it is **31.6411, 20.5765, 3.0482**.

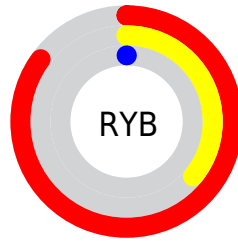
Distribution



Red (85%)

Green (25%)

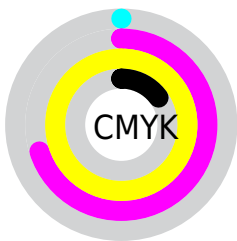
Blue (0%)



Red (85%)

Yellow (36%)

Blue (0%)

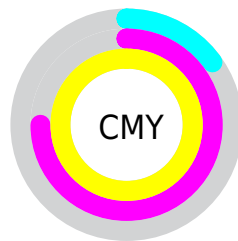


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5056, 18.5323, 1.9693 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 30.5056, 18.5323, 1.9693 by changing the saturation by 10% instead.

 30.5056, 18.5323,
1.9693


 30.5056, 18.5323,
1.9693


 296.1218,
243.8545, 121.8982


 20.3726, 11.3328,
0.5363


 59.8420, 40.9423,
8.9567


 12.7760, 6.2912,
0.0000


 79.7761, 56.9216,
15.4084

 7.3504, 3.0229,
0.0000


 103.7081, 76.5963,
24.3901

 3.7305, 1.1437,
0.0000

 132.0031,
100.3508, 36.3204

 1.5508, 0.0150,
0.0000

 165.0267,
128.5694, 51.6178


 0.3600, 0.0000,
0.0000


 203.1441,


 0.0000, 0.0000,


161.6367, 70.7009


0.0000


 246.7207,
199.9369, 93.9882


 30.5056, 18.5323,
1.9693


 30.5056, 18.5323,
1.9693


 30.5058, 18.5331,
1.9694

 31.6411, 20.5765,
3.0482

 33.1877, 23.1873,
5.0510

 35.2140, 26.4180,
8.2600

 37.7636, 30.3090,
12.8347

 40.8746, 34.8967,
18.9097

■ 44.5810, 40.2147,
26.6034

■ 48.9141, 46.2944,
36.0220

■ 53.9028, 53.1649,
47.2629

■ 59.5741, 60.8542,
60.4160

Harmonies

Analogous

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



37.1045, 18.5323, 9.7169



30.5056, 18.5323, 1.9693



21.3408, 18.5323, 0.3161

Triad

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



30.5056, 18.5323, 1.9693



6.3748, 18.5323, 11.7414



22.5906, 18.5323, 99.9688

Complementary

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



30.5056, 18.5323, 1.9693



23.7514, 27.4639, 69.6944

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.



14.3492, 18.5323, 102.3942



30.5056, 18.5323, 1.9693



6.5227, 18.5323, 36.2987

Square

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



30.5056, 18.5323, 1.9693



8.4935, 18.5323, 2.4887



8.9884, 18.5323, 73.6390



31.6588, 18.5323, 68.4067

Rectangle

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



30.5056, 18.5323, 1.9693



15.7694, 18.5323, 0.2112



8.9884, 18.5323, 73.6390



19.5980, 18.5323, 104.7643

Sweetspot

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



30.5060, 18.5334, 1.9696



70.3103, 66.4627, 51.5060



34.5751, 17.1357, 32.7238



14.4587, 13.4013, 9.7277



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.



30.5060, 18.5334, 1.9696



43.8515, 26.4830, 2.8005



42.9868, 43.4950, 6.1298



13.3724, 13.6842, 13.6621



18.5478, 11.3811, 1.2192



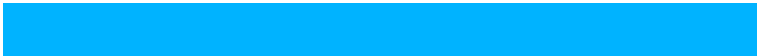
1.2759, 0.8859, 0.1038

Inverse Universe

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



23.7514, 27.4639, 69.6944



34.0917, 39.3034, 100.3972



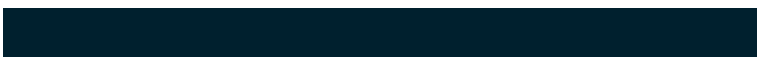
13.5417, 7.0444, 66.2912



13.0984, 14.1366, 16.6904



14.4742, 16.8179, 42.2217



1.0117, 1.2376, 2.7600

Previews

White Background



This preview shows how the XYZ color 30.5056, 18.5323, 1.9693 looks on a white 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

Black Background



This preview shows how the XYZ color 30.5056, 18.5323, 1.9693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

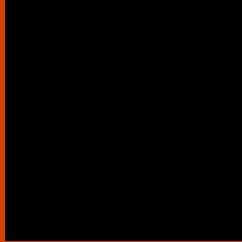
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5056, 18.5323, 1.9693

Background



This preview shows how black text looks on a background with the XYZ color 30.5056, 18.5323, 1.9693.



This preview shows how white text looks on a background with the XYZ color 30.5056, 18.5323,

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

30.5056, 18.5323, 1.9693

Protanopia

16.8730, 18.6498, 3.5746

Deuteranopia

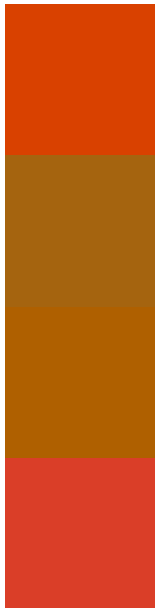
18.7798, 18.6139, 2.6030



Tritanopia

31.4794, 18.6018, 6.6340

Trichromacy



Original Color

30.5056, 18.5323, 1.9693

Protanomaly

20.1604, 17.1482, 2.6993

Deuteranomaly

21.8621, 17.4797, 2.2217

Tritanomaly

31.0191, 18.5039, 3.9442

Monochromacy



Original Color

30.5056, 18.5323, 1.9693

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.0573, 13.4674, 6.9074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5056, 18.5323, 1.9693 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, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 65, 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, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 65, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.5056, 18.5323, 1.9693 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, 65, 0) }
```


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

```
.border{ border-color:rgb(217, 65, 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, 65, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 65, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.5056, 18.5323, 1.9693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 65, 0) }
```

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

```
.background{ background-color: rgb(217, 65,  
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](#).

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