

Converting Colors

XYZ(30.8775, 19.3864, 2.1145)

Have a look what the booklet for
XYZ(30.8775, 19.3864, 2.1145)
contains.

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Color

**XYZ(30.9326, 19.3864,
2.1116)**

Conversions

Conversions Part 1

Format	Color
Hex	D94800
RGB	217, 72, 0
RGB Percent	85%, 28%, 0%
CMY	0.1490, 0.7176, 1.0000
CMYK	0.00, 0.67, 1.00, 0.15
HSL	20°, 100%, 43%
HSV	20°, 100%, 85%
XYZ	30.9326, 19.3864, 2.1116
YIQ	107.1470, 109.5320, 8.3480

Conversions

Conversions Part 2

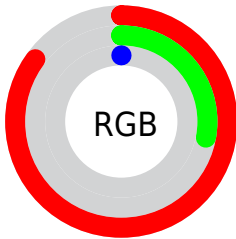
Format	Color
R_{YB}	217, 108, 0
Decimal	14239744
CIE Lab	51.14, 54.54, 62.02
CIE LCh	51, 82.591, 48.669
Yxy	19.3864, 0.5900, 0.3698
Android (android.graphics.Color)	4292429824 (0xFFD94800)
YUV	107.1470, -52.8235, 96.3411
Hunter-Lab	44.0300, 48.3500, 27.9775

Details

The XYZ color **30.9326, 19.3864, 2.1116** 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 **22.6485, 25.2582, 69.3267**, and the grayscale version is **14.1378, 14.8741, 16.1979**.

A 20% lighter version of the original color is **49.6717, 36.7757, 8.8953**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **30.9329, 19.3873, 2.1118**, and if you desaturate by 10%, it is **32.1255, 21.5455, 3.2096**.

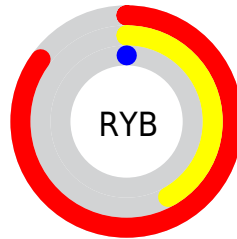
Distribution



Red (85%)

Green (28%)

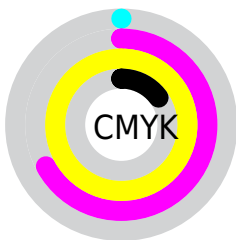
Blue (0%)



Red (85%)

Yellow (42%)

Blue (0%)

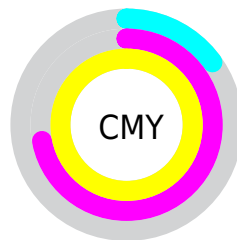


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9326, 19.3864, 2.1116 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 30.9326, 19.3864, 2.1116 by changing the saturation by 10% instead.


 30.9326, 19.3864,
2.1116


 30.9326, 19.3864,
2.1116


298.0601,
248.5737, 124.0863


 20.6991, 11.9498,
0.6227


 60.5105, 42.3860,
9.3437


 13.0154, 6.7095,
0.0000


 80.5856, 58.7178,
15.9627


 7.5163, 3.2811,
0.0000


 104.6720, 78.7835,
25.1418

 3.8362, 1.2802,
0.0000

 133.1350,
102.9674, 37.2994

 1.6099, 0.1258,
0.0000

 166.3399,
131.6540, 52.8541

 0.3988, 0.0000,
0.0000


 204.6522,


 0.0000, 0.0000,


165.2277, 72.2245


0.0000


 248.4371,
204.0728, 95.8290


 30.9326, 19.3864,
2.1116


 30.9326, 19.3864,
2.1116


 30.9329, 19.3873,
2.1118

 32.1255, 21.5455,
3.2096

 33.7129, 24.2378,
5.2259

 35.7608, 27.5118,
8.4421

 38.3107, 31.4034,
13.0168

 41.3986, 35.9449,
19.0840

■ 45.0568, 41.1665,
26.7615

■ 49.3148, 47.0960,
36.1550

■ 54.2000, 53.7596,
47.3613

■ 59.7380, 61.1823,
60.4698

Harmonies

Analogous

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



37.7787, 19.3864, 9.6970



30.9326, 19.3864, 2.1116



21.7030, 19.3864, 0.5023

Triad

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



30.9326, 19.3864, 2.1116



6.8820, 19.3864, 13.4174



23.9518, 19.3864, 99.3710

Complementary

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



30.9326, 19.3864, 2.1116



22.6485, 25.2582, 69.3267

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.



15.4970, 19.3864, 103.6347



30.9326, 19.3864, 2.1116



7.1566, 19.3864, 39.1269

Square

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



30.9326, 19.3864, 2.1116



8.9368, 19.3864, 3.1211



9.8475, 19.3864, 76.4627



32.9936, 19.3864, 67.2176

Rectangle

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



30.9326, 19.3864, 2.1116



16.1490, 19.3864, 0.4557



9.8475, 19.3864, 76.4627



20.9080, 19.3864, 104.6912

Sweetspot

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



30.9330, 19.3875, 2.1119



70.8918, 67.6257, 51.6998



33.9828, 16.8988, 29.6055



14.5940, 13.6719, 9.7728



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.



30.9330, 19.3875, 2.1119



44.4585, 27.6970, 3.0028



44.3800, 46.2815, 6.5942



13.4073, 13.7539, 13.6737



18.8121, 11.9098, 1.3073



1.2963, 0.9267, 0.1106

Inverse Universe

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



22.6485, 25.2582, 69.3267



32.4965, 36.1130, 99.8655



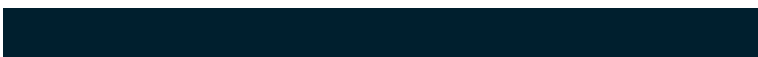
13.2759, 6.5129, 66.2025



13.0619, 14.0635, 16.6782



13.8109, 15.4912, 42.0006



0.9726, 1.1592, 2.7469

Previews

White Background



This preview shows how the XYZ color 30.9326, 19.3864, 2.1116 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 30.9326, 19.3864, 2.1116 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 30.9326, 19.3864, 2.1116

Background



This preview shows how black text looks on a background with the XYZ color 30.9326, 19.3864, 2.1116.



This preview shows how white text looks on a background with the XYZ color 30.9326, 19.3864,

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

30.9326, 19.3864, 2.1116

Protanopia

17.7188, 19.6311, 3.6659

Deuteranopia

19.7630, 19.4593, 2.7144



Tritanopia

32.0261, 19.3619, 7.8436

Trichromacy



Original Color

30.9326, 19.3864, 2.1116

Protanomaly

20.9729, 18.1506, 2.8500

Deuteranomaly

22.9173, 18.5793, 2.3783

Tritanomaly

31.5152, 19.3511, 4.5567

Monochromacy



Original Color

30.9326, 19.3864, 2.1116

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.0787, 14.6258, 7.3918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9326, 19.3864, 2.1116 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, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 72, 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, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.9326, 19.3864, 2.1116 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, 72, 0) }
```


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

```
.border{ border-color:rgb(217, 72, 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, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.9326, 19.3864, 2.1116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 72, 0) }
```

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

```
.background{ background-color: rgb(217, 72,  
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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