

Converting Colors

XYZ(33.5198, 19.4493, 1.9874)

Have a look what the booklet for
XYZ(33.5198, 19.4493, 1.9874)
contains.

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Color

**XYZ(33.4580, 19.4202,
1.9850)**

Conversions

Conversions Part 1

Format	Color
Hex	E43900
RGB	228, 57, 0
RGB Percent	89%, 22%, 0%
CMY	0.1059, 0.7764, 1.0000
CMYK	0.00, 0.75, 1.00, 0.11
HSL	15°, 100%, 45%
HSV	15°, 100%, 89%
XYZ	33.4580, 19.4202, 1.9850
YIQ	101.6310, 120.2130, 18.5250

Conversions

Conversions Part 2

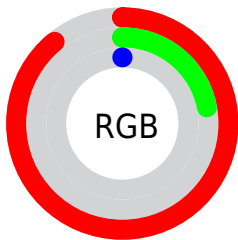
Format	Color
R_{YB}	228, 76, 0
Decimal	14956800
CIE _{Lab}	51.18, 63.49, 63.18
CIE _{LCh}	51, 89.572, 44.860
Yxy	19.4202, 0.6098, 0.3540
Android (android.graphics.Color)	4293146880 (0xFFE43900)
YUV	101.6310, -50.1041, 110.8256
Hunter-Lab	44.0684, 58.4029, 28.1772

Details

The XYZ color **33.4580, 19.4202, 1.9850** 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 **28.5640, 34.7224, 78.5948**, and the grayscale version is **12.6390, 13.2972, 14.4806**.

A 20% lighter version of the original color is **48.2748, 34.0665, 8.1688**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **33.4584, 19.4213, 1.9852**, and if you desaturate by 10%, it is **34.6035, 21.4674, 3.1200**.

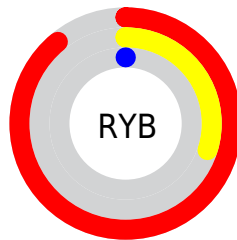
Distribution



Red (89%)

Green (22%)

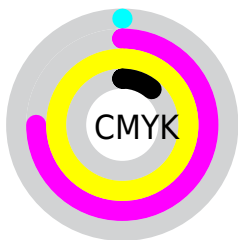
Blue (0%)



Red (89%)

Yellow (30%)

Blue (0%)

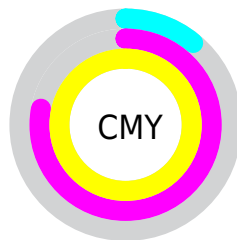


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4580, 19.4202, 1.9850 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 33.4580, 19.4202, 1.9850 by changing the saturation by 10% instead.


 33.4580, 19.4202,
1.9850


 33.4580, 19.4202,
1.9850


 309.3371,
248.7588, 122.1434


 22.6384, 11.9743,
0.5460


 64.4398, 42.4429,
8.9997

 14.4460, 6.7262,
0.0000


 85.3328, 58.7886,
15.4702

 8.5153, 3.2915,
0.0000


 110.3143, 78.8696,
24.4740

 4.4810, 1.2857,
0.0000

 139.7497,
103.0703, 36.4298

 1.9777, 0.1301,
0.0000

 174.0043,
131.7752, 51.7561

 0.6214, 0.0000,
0.0000


 213.4435,


 0.0000, 0.0000,


165.3687, 70.8715


0.0000


 258.4327,
204.2351, 94.1944


 33.4580, 19.4202,
1.9850


 33.4580, 19.4202,
1.9850


 33.4584, 19.4213,
1.9852

 34.6035, 21.4674,
3.1200

 36.2390, 24.2062,
5.3060

 38.4455, 27.7066,
8.8548

 41.2770, 32.0234,
13.9486

 44.7805, 37.2058,
20.7411

■ 48.9982, 43.2992,
29.3671

■ 53.9686, 50.3454,
39.9480

■ 59.7275, 58.3836,
52.5944

■ 66.3080, 67.4508,
67.4090

Harmonies

Analogous

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



40.4598, 19.4202, 10.8941



33.4580, 19.4202, 1.9850



23.3036, 19.4202, 0.1238

Triad

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



33.4580, 19.4202, 1.9850



6.3689, 19.4202, 10.7458



23.2092, 19.4202, 112.8425

Complementary

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



33.4580, 19.4202, 1.9850



28.5640, 34.7224, 78.5948

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.



14.3360, 19.4202, 112.6529



33.4580, 19.4202, 1.9850



6.3583, 19.4202, 36.3873

Square

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



33.4580, 19.4202, 1.9850



8.8200, 19.4202, 1.9502



8.7838, 19.4202, 78.0615



33.3700, 19.4202, 78.4675

Rectangle

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



33.4580, 19.4202, 1.9850



17.0448, 19.4202, 0.0000



8.7838, 19.4202, 78.0615



19.9479, 19.4202, 117.3737

Sweetspot

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



33.4584, 19.4214, 1.9853



69.4356, 64.7133, 51.2144



39.3453, 19.4341, 40.2053



14.2560, 12.9960, 9.6602



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.



33.4584, 19.4214, 1.9853



43.0601, 24.9002, 2.5367



46.5575, 45.6195, 6.3516



14.6683, 14.9506, 15.0171



19.3996, 11.3733, 1.1728



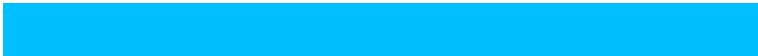
1.5060, 0.9854, 0.1108

Inverse Universe

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



28.5640, 34.7224, 78.5948



36.7323, 44.5846, 101.2774



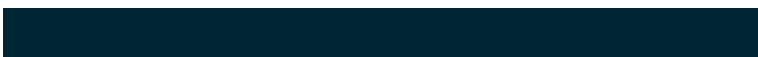
15.4666, 8.5277, 74.2290



14.4863, 15.6939, 18.4101



16.5927, 20.2474, 45.4168



1.2986, 1.6411, 3.3803

Previews

White Background



This preview shows how the XYZ color 33.4580, 19.4202, 1.9850 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 33.4580, 19.4202, 1.9850 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 33.4580, 19.4202, 1.9850

Background



This preview shows how black text looks on a background with the XYZ color 33.4580, 19.4202, 1.9850.



This preview shows how white text looks on a background with the XYZ color 33.4580, 19.4202,

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

33.4580, 19.4202, 1.9850

Protanopia

17.7506, 19.6438, 3.8333

Deuteranopia

19.7630, 19.4593, 2.7144



Tritanopia

34.2758, 19.4801, 5.5679

Trichromacy



Original Color

33.4580, 19.4202, 1.9850

Protanomaly

21.3576, 17.6221, 2.8060

Deuteranomaly

23.3836, 18.1295, 2.2669

Tritanomaly

33.9356, 19.4177, 3.5495

Monochromacy



Original Color

33.4580, 19.4202, 1.9850

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.4947, 13.3331, 6.7052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4580, 19.4202, 1.9850 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(228, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 57, 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(228, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 57, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.4580, 19.4202, 1.9850 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(228, 57, 0) }
```


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

```
.border{ border-color:rgb(228, 57, 0) }
```

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

Here you see how a box with a 4 pixel rgb(228, 57, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.4580, 19.4202, 1.9850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 57, 0) }
```

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

```
.background{ background-color: rgb(228, 57,  
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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