

Converting Colors

XYZ(33.3603, 19.5615, 2.0191)

Have a look what the booklet for
XYZ(33.3603, 19.5615, 2.0191)
contains.

XYZ(33.2944, 19.5626, 2.0212)	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(33.2944, 19.5626,
2.0212)**

Conversions

Conversions Part 1

Format	Color
Hex	E33C00
RGB	227, 60, 0
RGB Percent	89%, 24%, 0%
CMY	0.1098, 0.7647, 1.0000
CMYK	0.00, 0.74, 1.00, 0.11
HSL	16°, 100%, 45%
HSV	16°, 100%, 89%
XYZ	33.2944, 19.5626, 2.0212
YIQ	103.0930, 118.7920, 16.7440

Conversions

Conversions Part 2

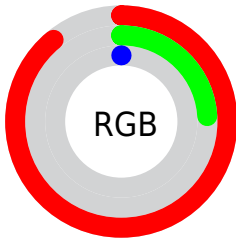
Format	Color
RYB	227, 82, 0
Decimal	14892032
CIELab	51.34, 62.21, 63.15
CIELCh	51, 88.642, 45.428
Yxy	19.5626, 0.6067, 0.3565
Android (android.graphics.Color)	4293082112 (0xFFE33C00)
YUV	103.0930, -50.8248, 108.6664
Hunter-Lab	44.2296, 56.9662, 28.2513

Details

The XYZ color **33.2944, 19.5626, 2.0212** 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 **27.6821, 33.1802, 77.6178**, and the grayscale version is **13.0266, 13.7050, 14.9247**.

A 20% lighter version of the original color is **48.5340, 34.5431, 8.3844**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **33.2946, 19.5634, 2.0213**, and if you desaturate by 10%, it is **34.4637, 21.6589, 3.1593**.

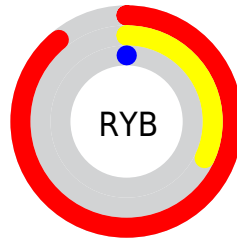
Distribution



Red (89%)

Green (24%)

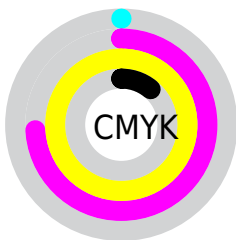
Blue (0%)



Red (89%)

Yellow (32%)

Blue (0%)

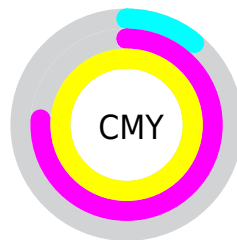


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2944, 19.5626, 2.0212 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 33.2944, 19.5626, 2.0212 by changing the saturation by 10% instead.


 33.2944, 19.5626,
2.0212


 33.2944, 19.5626,
2.0212


 308.6158,
249.5373, 122.7051


 22.5124, 12.0775,
0.5683


 64.1865, 42.6826,
9.0987


 14.3526, 6.7965,
0.0000


 85.0273, 59.0863,
15.6120


 8.4496, 3.3351,
0.0000


 109.9517, 79.2317,
24.6666

 4.4382, 1.3091,
0.0000

 139.3251,
103.5031, 36.6807

 1.9529, 0.1482,
0.0000

 173.5129,
132.2850, 52.0731


 0.6073, 0.0000,
0.0000


 212.8804,


 0.0000, 0.0000,


165.9617, 71.2623


0.0000


 257.7929,
204.9177, 94.6668


 33.2944, 19.5626,
2.0212


 33.2944, 19.5626,
2.0212


 33.2946, 19.5634,
2.0213

 34.4637, 21.6589,
3.1593

 36.1102, 24.4243,
5.3348

 38.3126, 27.9249,
8.8563

 41.1228, 32.2120,
13.9034

 44.5862, 37.3320,
20.6278

■ 48.7433, 43.3274,
29.1626

■ 53.6314, 50.2376,
39.6273

■ 59.2847, 58.0995,
52.1313

■ 65.7354, 66.9481,
66.7755

Harmonies

Analogous

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



40.3236, 19.5626, 10.7791



33.2944, 19.5626, 2.0212



23.2173, 19.5626, 0.1905

Triad

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



33.2944, 19.5626, 2.0212



6.4995, 19.5626, 11.2326



23.5037, 19.5626, 111.4334

Complementary

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



33.2944, 19.5626, 2.0212



27.6821, 33.1802, 77.6178

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.



14.6286, 19.5626, 112.0031



33.2944, 19.5626, 2.0212



6.5322, 19.5626, 37.0940

Square

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



33.2944, 19.5626, 2.0212



8.9069, 19.5626, 2.1304



9.0176, 19.5626, 78.3848



33.5606, 19.5626, 77.1621

Rectangle

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



33.2944, 19.5626, 2.0212



17.0283, 19.5626, 0.0190



9.0176, 19.5626, 78.3848



20.2522, 19.5626, 116.1369

Sweetspot

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



33.2948, 19.5638, 2.0215



69.6860, 65.2142, 51.2979



38.9577, 19.2426, 39.8154



14.3140, 13.1118, 9.6795



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.



33.2948, 19.5638, 2.0215



43.2717, 25.3234, 2.6072



46.1000, 45.1742, 6.2899



14.6853, 14.9845, 15.0227



19.4991, 11.5723, 1.2060



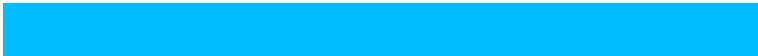
1.5154, 1.0041, 0.1139

Inverse Universe

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



27.6821, 33.1802, 77.6178



35.9454, 43.0108, 101.0151



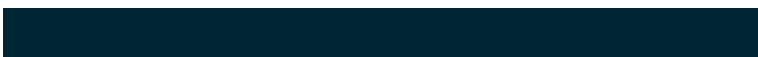
15.3160, 8.4479, 73.4958



14.4682, 15.6578, 18.4040



16.2444, 19.5510, 45.3007



1.2753, 1.5946, 3.3725

Previews

White Background



This preview shows how the XYZ color 33.2944, 19.5626, 2.0212 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 33.2944, 19.5626, 2.0212 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 33.2944, 19.5626, 2.0212

Background



This preview shows how black text looks on a background with the XYZ color 33.2944, 19.5626, 2.0212.

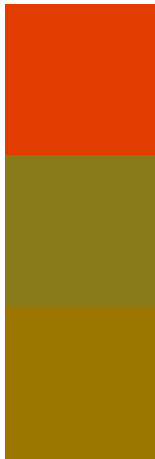


This preview shows how white text looks on a background with the XYZ color 33.2944, 19.5626,

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

33.2944, 19.5626, 2.0212

Protanopia

17.7506, 19.6438, 3.8333

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

34.1728, 19.6278, 5.9904

Trichromacy



Original Color

33.2944, 19.5626, 2.0212

Protanomaly

21.2359, 17.7009, 2.8277

Deuteranomaly

23.2389, 18.1895, 2.2861

Tritanomaly

33.7920, 19.5538, 3.7435

Monochromacy



Original Color

33.2944, 19.5626, 2.0212

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.6043, 13.5056, 6.8860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2944, 19.5626, 2.0212 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(227, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 60, 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(227, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 60, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.2944, 19.5626, 2.0212 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(227, 60, 0) }
```


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

```
.border{ border-color:rgb(227, 60, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 60, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 60, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.2944, 19.5626, 2.0212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 60, 0) }
```

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

```
.background{ background-color: rgb(227, 60,  
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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