

Converting Colors

XYZ(33.7548, 19.3043, 1.9470)

Have a look what the booklet for
XYZ(33.7548, 19.3043, 1.9470)
contains.

XYZ(33.5862, 19.2042, 1.9366)	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(33.5862, 19.2042,
1.9366)**

Conversions

Conversions Part 1

Format	Color
Hex	E53500
RGB	229, 53, 0
RGB Percent	90%, 21%, 0%
CMY	0.1020, 0.7921, 1.0000
CMYK	0.00, 0.77, 1.00, 0.10
HSL	14°, 100%, 45%
HSV	14°, 100%, 90%
XYZ	33.5862, 19.2042, 1.9366
YIQ	99.5820, 121.9090, 20.8290

Conversions

Conversions Part 2

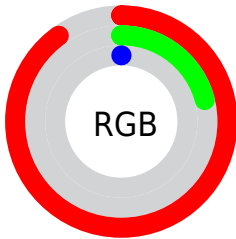
Format	Color
R_{YB}	229, 69, 0
Decimal	15021312
CIE _{Lab}	50.93, 65.02, 63.18
CIE _{LCh}	51, 90.661, 44.179
Yxy	19.2042, 0.6137, 0.3509
Android (android.graphics.Color)	4293211392 (0xFFE53500)
YUV	99.5820, -49.0939, 113.4996
Hunter-Lab	43.8226, 60.1151, 28.0557

Details

The XYZ color **33.5862, 19.2042, 1.9366** 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 **29.6657, 36.7030, 79.6490**, and the grayscale version is **12.1074, 12.7380, 13.8717**.

A 20% lighter version of the original color is **48.0467, 33.6104, 8.0928**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **33.5865, 19.2052, 1.9368**, and if you desaturate by 10%, it is **34.6952, 21.1767, 3.0644**.

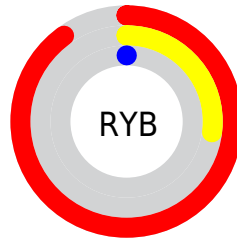
Distribution



Red (90%)

Green (21%)

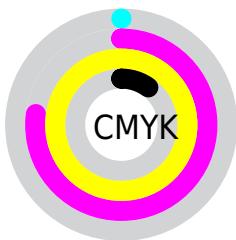
Blue (0%)



Red (90%)

Yellow (27%)

Blue (0%)

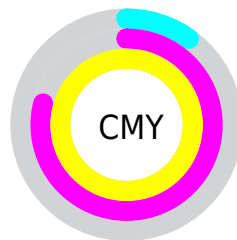


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5862, 19.2042, 1.9366 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 33.5862, 19.2042, 1.9366 by changing the saturation by 10% instead.


 33.5862, 19.2042,
1.9366


 33.5862, 19.2042,
1.9366


 309.9015,
247.5738, 121.3844

 22.7373, 11.8179,
0.5159


 64.6382, 42.0789,
8.8667

 14.5193, 6.6198,
0.0000


 85.5720, 58.3360,
15.2791

 8.5668, 3.2255,
0.0000


 110.5982, 78.3190,
24.2145

 4.5146, 1.2506,
0.0000

 140.0820,
102.4120, 36.0913

 1.9972, 0.1024,
0.0000

 174.3889,
130.9997, 51.3282


 0.6324, 0.0000,
0.0000


 213.8842,


 0.0000, 0.0000,


164.4662, 70.3437


0.0000


 258.9333,
203.1961, 93.5562


 33.5862, 19.2042,
1.9366


 33.5862, 19.2042,
1.9366


 33.5865, 19.2052,
1.9368

 34.6952, 21.1767,
3.0644

 36.3092, 23.8678,
5.2576

 38.5123, 27.3529,
8.8317

 41.3611, 31.6913,
13.9714

 44.9048, 36.9363,
20.8326

■ 49.1877, 43.1367,
29.5522

■ 54.2501, 50.3377,
40.2533

■ 60.1293, 58.5815,
53.0483

■ 66.8602, 67.9079,
68.0411

Harmonies

Analogous

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



40.5392, 19.2042, 11.0116



33.5862, 19.2042, 1.9366



23.3585, 19.2042, 0.0402

Triad

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



33.5862, 19.2042, 1.9366



6.1972, 19.2042, 10.1455



22.8014, 19.2042, 114.3415

Complementary

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



33.5862, 19.2042, 1.9366



29.6657, 36.7030, 79.6490

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.



13.9516, 19.2042, 113.2105



33.5862, 19.2042, 1.9366



6.1353, 19.2042, 35.4558

Square

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



33.5862, 19.2042, 1.9366



8.6946, 19.2042, 1.7392



8.4836, 19.2042, 77.4994



33.0652, 19.2042, 79.9163

Rectangle

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



33.5862, 19.2042, 1.9366



17.0274, 19.2042, 0.0000



8.4836, 19.2042, 77.4994



19.5361, 19.2042, 118.6483

Sweetspot

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



33.5866, 19.2054, 1.9369



69.1134, 64.0688, 51.1070



40.4884, 19.9281, 44.5639



14.1816, 12.8471, 9.6354



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.



33.5866, 19.2054, 1.9369



42.8056, 24.3911, 2.4519



45.6092, 43.2506, 5.9444



14.6464, 14.9067, 15.0098



19.2792, 11.1325, 1.1327



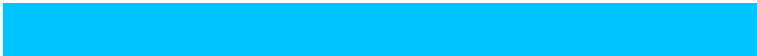
1.4944, 0.9621, 0.1069

Inverse Universe

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



29.6657, 36.7030, 79.6490



37.7829, 46.6858, 101.6276



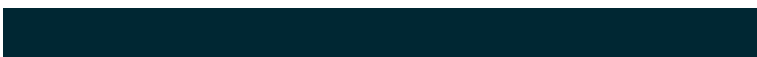
16.0265, 9.4245, 75.1026



14.5098, 15.7409, 18.4179



17.0572, 21.1765, 45.5716



1.3294, 1.7028, 3.3906

Previews

White Background



This preview shows how the XYZ color 33.5862, 19.2042, 1.9366 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 33.5862, 19.2042, 1.9366 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 33.5862, 19.2042, 1.9366

Background



This preview shows how black text looks on a background with the XYZ color 33.5862, 19.2042, 1.9366.



This preview shows how white text looks on a background with the XYZ color 33.5862, 19.2042,

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

33.5862, 19.2042, 1.9366

Protanopia

17.4739, 19.3166, 3.8444

Deuteranopia

19.5718, 19.3608, 2.7055



Tritanopia

34.3495, 19.3345, 4.9391

Trichromacy



Original Color

33.5862, 19.2042, 1.9366

Protanomaly

20.9534, 17.1359, 2.7335

Deuteranomaly

22.9704, 17.6525, 2.1966

Tritanomaly

34.0777, 19.2949, 3.2947

Monochromacy



Original Color

33.5862, 19.2042, 1.9366

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

16.0513, 12.7597, 6.4674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5862, 19.2042, 1.9366 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(229, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 53, 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(229, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 53, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.5862, 19.2042, 1.9366 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(229, 53, 0) }
```


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

```
.border{ border-color:rgb(229, 53, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 53, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.5862, 19.2042, 1.9366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 53, 0) }
```

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

```
.background{ background-color: rgb(229, 53,  
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