

Converting Colors

XYZ(33.6078, 18.6764, 1.8336)

Have a look what the booklet for
XYZ(33.6078, 18.6764, 1.8336)
contains.

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Color

**XYZ(33.5338, 18.6244,
1.8274)**

Conversions

Conversions Part 1

Format	Color
Hex	E62C00
RGB	230, 44, 0
RGB Percent	90%, 17%, 0%
CMY	0.0980, 0.8274, 1.0000
CMYK	0.00, 0.81, 1.00, 0.10
HSL	11°, 100%, 45%
HSV	11°, 100%, 90%
XYZ	33.5338, 18.6244, 1.8274
YIQ	94.5980, 124.9800, 25.7480

Conversions

Conversions Part 2

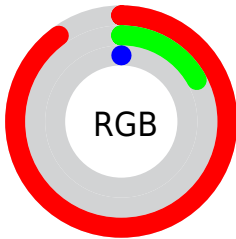
Format	Color
R_{YB}	230, 54, 0
Decimal	15084544
CIE _{Lab}	50.24, 67.77, 63.01
CIE _{LCh}	50, 92.535, 42.916
Yxy	18.6244, 0.6212, 0.3450
Android (android.graphics.Color)	4293274624 (0xFFE62C00)
YUV	94.5980, -46.6368, 118.7476
Hunter-Lab	43.1560, 63.1781, 27.6986

Details

The XYZ color **33.5338, 18.6244, 1.8274** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **31.8378, 40.8231, 81.0638**, and the grayscale version is **10.8700, 11.4361, 12.4539**.

A 20% lighter version of the original color is **47.3663, 32.2906, 7.7392**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **33.5342, 18.6255, 1.8276**, and if you desaturate by 10%, it is **34.5438, 20.3974, 2.9271**.

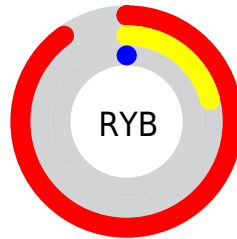
Distribution



Red (90%)

Green (17%)

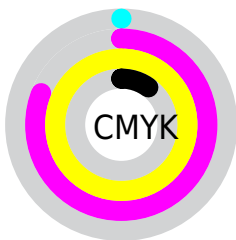
Blue (0%)



Red (90%)

Yellow (21%)

Blue (0%)

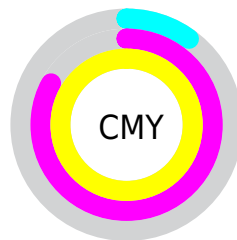


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (83%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5338, 18.6244, 1.8274 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 33.5338, 18.6244, 1.8274 by changing the saturation by 10% instead.


 33.5338, 18.6244,
1.8274


 33.5338, 18.6244,
1.8274


 309.6709,
244.3673, 119.6363


 22.6969, 11.3992,
0.4459

 64.5571, 41.0985,
8.5633

 14.4893, 6.3360,
0.0000


 85.4743, 57.1161,
14.8422


 8.5457, 3.0505,
0.0000


 110.4822, 76.8333,
23.6197

 4.5008, 1.1581,
0.0000

 139.9462,
100.6346, 35.3145

 1.9892, 0.0271,
0.0000

 174.2318,
128.9042, 50.3450

 0.6279, 0.0000,
0.0000


 213.7042,


 0.0000, 0.0000,


162.0266, 69.1298


0.0000


 258.7287,
200.3862, 92.0874


 33.5338, 18.6244,
1.8274


 33.5338, 18.6244,
1.8274


 33.5342, 18.6255,
1.8276

 34.5438, 20.3974,
2.9271

 36.0844, 22.9369,
5.1102

 38.2462, 26.3310,
8.6969

 41.0915, 30.6494,
13.8754

 44.6743, 35.9545,
20.8050

■ 49.0429, 42.3031,
29.6252

■ 54.2416, 49.7475,
40.4615

■ 60.3110, 58.3365,
53.4286

■ 67.2894, 68.1160,
68.6325

Harmonies

Analogous

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



40.3331, 18.6244, 11.1365



33.5338, 18.6244, 1.8274



23.2544, 18.6244, 0.0000

Triad

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



33.5338, 18.6244, 1.8274



5.8210, 18.6244, 8.9720



21.8341, 18.6244, 116.2437

Complementary

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



33.5338, 18.6244, 1.8274



31.8378, 40.8231, 81.0638

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.



13.1121, 18.6244, 113.2971



33.5338, 18.6244, 1.8274



5.6680, 18.6244, 33.4113

Square

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



33.5338, 18.6244, 1.8274



8.3789, 18.6244, 1.3638



7.8528, 18.6244, 75.7602



32.1969, 18.6244, 82.0287

Rectangle

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



33.5338, 18.6244, 1.8274



16.8408, 18.6244, 0.0000



7.8528, 18.6244, 75.7602



18.5919, 18.6244, 120.0748

Sweetspot

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



33.5342, 18.6256, 1.8277



68.4273, 62.6967, 50.8783



41.6919, 20.4465, 49.2316



14.0235, 12.5310, 9.5827



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.



33.5342, 18.6256, 1.8277



42.3301, 23.4401, 2.2934



44.7179, 40.9931, 5.5556



14.5991, 14.8121, 14.9940



19.0517, 10.6776, 1.0568



1.4712, 0.9157, 0.0992

Inverse Universe

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



31.8378, 40.8231, 81.0638



40.1689, 51.4577, 102.4230



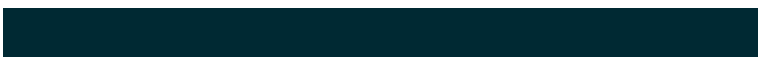
16.6544, 10.4563, 76.0027



14.5607, 15.8429, 18.4349



18.1108, 23.2836, 45.9228



1.3988, 1.8415, 3.4137

Previews

White Background



This preview shows how the XYZ color 33.5338, 18.6244, 1.8274 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 33.5338, 18.6244, 1.8274 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 33.5338, 18.6244, 1.8274

Background



This preview shows how black text looks on a background with the XYZ color 33.5338, 18.6244, 1.8274.



This preview shows how white text looks on a background with the XYZ color 33.5338, 18.6244,

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

33.5338, 18.6244, 1.8274

Protanopia

17.0386, 18.9095, 3.8505

Deuteranopia

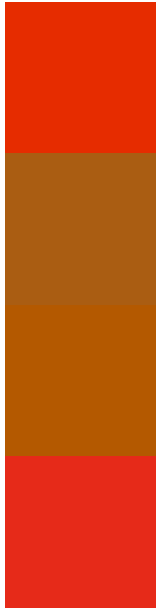
18.9662, 18.7100, 2.6118



Tritanopia

33.8091, 18.5621, 3.8084

Trichromacy



Original Color

33.5338, 18.6244, 1.8274

Protanomaly

20.6011, 16.4184, 2.6555

Deuteranomaly

22.3948, 16.8481, 2.0717

Tritanomaly

33.6366, 18.5491, 2.7272

Monochromacy



Original Color

33.5338, 18.6244, 1.8274

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.9017, 11.4244, 5.6947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5338, 18.6244, 1.8274 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(230, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 44, 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(230, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 44, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.5338, 18.6244, 1.8274 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(230, 44, 0) }
```


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

```
.border{ border-color:rgb(230, 44, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 44, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.5338, 18.6244, 1.8274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 44, 0) }
```

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

```
.background{ background-color: rgb(230, 44,  
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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