

Converting Colors

XYZ(33.1749, 18.1444, 1.7537)

Have a look what the booklet for
XYZ(33.1749, 18.1444, 1.7537)
contains.

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Color

**XYZ(33.0062, 18.0442,
1.7433)**

Conversions

Conversions Part 1

Format	Color
Hex	E52600
RGB	229, 38, 0
RGB Percent	90%, 15%, 0%
CMY	0.1020, 0.8509, 1.0000
CMYK	0.00, 0.83, 1.00, 0.10
HSL	10°, 100%, 45%
HSV	10°, 100%, 90%
XYZ	33.0062, 18.0442, 1.7433
YIQ	90.7770, 126.0340, 28.6740

Conversions

Conversions Part 2

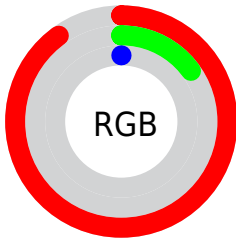
Format	Color
RYB	229, 46, 0
Decimal	15017472
CIELab	49.55, 68.90, 62.61
CIElCh	50, 93.098, 42.260
Yxy	18.0442, 0.6252, 0.3418
Android (android.graphics.Color)	4293207552 (0xFFE52600)
YUV	90.7770, -44.7531, 121.2216
Hunter-Lab	42.4785, 64.3590, 27.3017

Details

The XYZ color **33.0062, 18.0442, 1.7433** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **32.7699, 42.9114, 80.6837**, and the grayscale version is **9.9737, 10.4931, 11.4270**.

A 20% lighter version of the original color is **46.9540, 31.4661, 7.6018**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **33.0065, 18.0452, 1.7434**, and if you desaturate by 10%, it is **33.9355, 19.6572, 2.8112**.

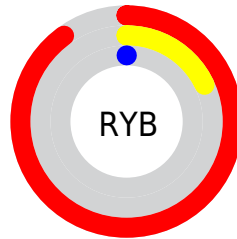
Distribution



Red (90%)

Green (15%)

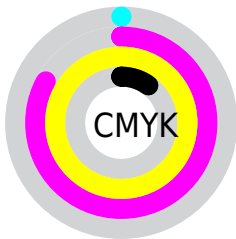
Blue (0%)



Red (90%)

Yellow (18%)

Blue (0%)

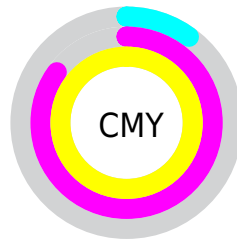


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0062, 18.0442, 1.7433 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 33.0062, 18.0442, 1.7433 by changing the saturation by 10% instead.


 33.0062, 18.0442,
1.7433


 33.0062, 18.0442,
1.7433


 307.3422,
241.1201, 118.2541


 22.2905, 10.9817,
0.3902


 63.7398, 40.1126,
8.3263


 14.1883, 6.0545,
0.0000


 84.4884, 55.8874,
14.4997

 8.3343, 2.8783,
0.0000


 109.3120, 75.3350,
23.1524


 4.3632, 1.0685,
0.0000

 138.5759, 98.8399,
34.7029

 1.9096, 0.0000,
0.0000

 172.6455,
126.7864, 49.5698

 0.5824, 0.0000,
0.0000


 211.8862,


 0.0000, 0.0000,


159.5591, 68.1716


0.0000


 256.6633,
197.5421, 90.9268


 33.0062, 18.0442,
1.7433


 33.0062, 18.0442,
1.7433


 33.0065, 18.0452,
1.7434

 33.9355, 19.6572,
2.8112

 35.4014, 22.0522,
4.9551

 37.4984, 25.3250,
8.4938

 40.2912, 29.5515,
13.6149

 43.8364, 34.7995,
20.4766

■ 48.1844, 41.1302,
29.2180

■ 53.3813, 48.6002,
39.9639

■ 59.4695, 57.2619,
52.8286

■ 66.4887, 67.1647,
67.9175

Harmonies

Analogous

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



39.6241, 18.0442, 11.0351



33.0062, 18.0442, 1.7433



22.8521, 18.0442, 0.0000

Triad

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



33.0062, 18.0442, 1.7433



5.5407, 18.0442, 8.2557



21.0083, 18.0442, 115.5336

Complementary

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



33.0062, 18.0442, 1.7433



32.7699, 42.9114, 80.6837

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.



12.4861, 18.0442, 111.6637



33.0062, 18.0442, 1.7433



5.3455, 18.0442, 31.8662

Square

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



33.0062, 18.0442, 1.7433



8.0891, 18.0442, 1.1685



7.4144, 18.0442, 73.7277



31.2646, 18.0442, 81.9411

Rectangle

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



33.0062, 18.0442, 1.7433



16.4905, 18.0442, 0.0000



7.4144, 18.0442, 73.7277



17.8278, 18.0442, 119.0533

Sweetspot

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



33.0066, 18.0453, 1.7435



68.0006, 61.8433, 50.7361



42.1236, 20.5823, 53.1750



13.9256, 12.3351, 9.5500



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.



33.0066, 18.0453, 1.7435



42.0798, 22.9396, 2.2099



43.0367, 38.1055, 5.0869



14.5693, 14.7526, 14.9841



18.9301, 10.4343, 1.0163



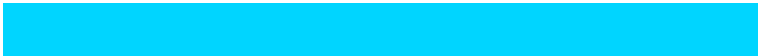
1.4571, 0.8876, 0.0945

Inverse Universe

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



32.7699, 42.9114, 80.6837



41.7606, 54.6412, 102.9535



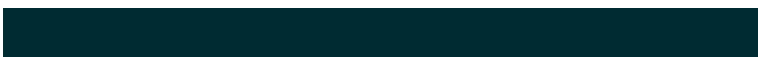
17.0226, 11.4167, 75.4346



14.5931, 15.9076, 18.4457



18.8126, 24.6873, 46.1568



1.4446, 1.9330, 3.4289

Previews

White Background



This preview shows how the XYZ color 33.0062, 18.0442, 1.7433 looks on a white 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

Black Background



This preview shows how the XYZ color 33.0062, 18.0442, 1.7433 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 33.0062, 18.0442, 1.7433

Background



This preview shows how black text looks on a background with the XYZ color 33.0062, 18.0442, 1.7433.



This preview shows how white text looks on a background with the XYZ color 33.0062, 18.0442,

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

33.0062, 18.0442, 1.7433

Protanopia

16.4793, 18.2640, 3.7554

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

33.2327, 18.0353, 3.2430

Trichromacy



Original Color

33.0062, 18.0442, 1.7433

Protanomaly

19.9138, 15.6808, 2.5494

Deuteranomaly

21.9182, 16.2393, 1.9793

Tritanomaly

33.1195, 18.0391, 2.4954

Monochromacy



Original Color

33.0062, 18.0442, 1.7433

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

14.0656, 10.6029, 5.3082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0062, 18.0442, 1.7433 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, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 38, 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, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 38, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.0062, 18.0442, 1.7433 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, 38, 0) }
```


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

```
.border{ border-color:rgb(229, 38, 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, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.0062, 18.0442, 1.7433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 38, 0) }
```

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

```
.background{ background-color: rgb(229, 38,  
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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