

Converting Colors

XYZ(33.4482, 18.6890, 1.8452)

Have a look what the booklet for
XYZ(33.4482, 18.6890, 1.8452)
contains.

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Color

**XYZ(33.6101, 18.7770,
1.8529)**

Conversions

Conversions Part 1

Format	Color
Hex	E62E00
RGB	230, 46, 0
RGB Percent	90%, 18%, 0%
CMY	0.0980, 0.8195, 1.0000
CMYK	0.00, 0.80, 1.00, 0.10
HSL	12°, 100%, 45%
HSV	12°, 100%, 90%
XYZ	33.6101, 18.7770, 1.8529
YIQ	95.7720, 124.4300, 24.7020

Conversions

Conversions Part 2

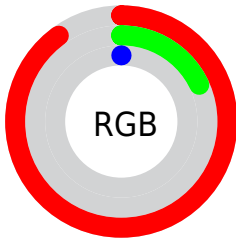
Format	Color
RYB	230, 58, 0
Decimal	15085056
CIELab	50.43, 67.26, 63.08
CIElCh	50, 92.213, 43.165
Yxy	18.7770, 0.6197, 0.3462
Android (android.graphics.Color)	4293275136 (0xFFE62E00)
YUV	95.7720, -47.2156, 117.7180
Hunter-Lab	43.3324, 62.6189, 27.7975

Details

The XYZ color **33.6101, 18.7770, 1.8529** 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 **31.4202, 39.9878, 80.9246**, and the grayscale version is **11.1545, 11.7354, 12.7799**.

A 20% lighter version of the original color is **47.4724, 32.5028, 7.7746**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **33.6104, 18.7780, 1.8530**, and if you desaturate by 10%, it is **34.6444, 20.5985, 2.9607**.

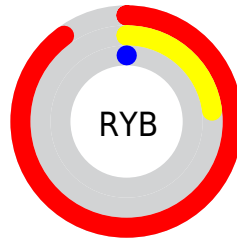
Distribution



Red (90%)

Green (18%)

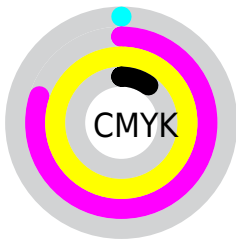
Blue (0%)



Red (90%)

Yellow (23%)

Blue (0%)

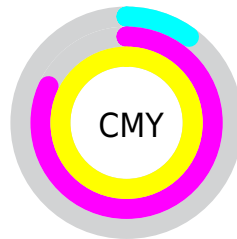


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (82%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6101, 18.7770, 1.8529 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 33.6101, 18.7770, 1.8529 by changing the saturation by 10% instead.


 33.6101, 18.7770,
1.8529


 33.6101, 18.7770,
1.8529


 310.0066,
245.2149, 120.0491


 22.7557, 11.5093,
0.4625


 64.6752, 41.3569,
8.6346


 14.5329, 6.4105,
0.0000


 85.6166, 57.4379,
14.9450

 8.5764, 3.0962,
0.0000


 110.6511, 77.2254,
23.7598

 4.5208, 1.1822,
0.0000

 140.1440,
101.1039, 35.4976

 2.0008, 0.0471,
0.0000

 174.4606,
129.4577, 50.5769

 0.6344, 0.0000,
0.0000


 213.9663,


 0.0000, 0.0000,


162.6712, 69.4162


0.0000


 259.0265,
201.1288, 92.4341


 33.6101, 18.7770,
1.8529


 33.6101, 18.7770,
1.8529


 33.6104, 18.7780,
1.8530

 34.6444, 20.5985,
2.9607

 36.2051, 23.1782,
5.1507

 38.3814, 26.6012,
8.7423

 41.2345, 30.9351,
13.9236

 44.8173, 36.2403,
20.8534

■ 49.1774, 42.5719,
29.6709

■ 54.3583, 49.9806,
40.5015

■ 60.4000, 58.5140,
53.4595

■ 67.3399, 68.2166,
68.6507

Harmonies

Analogous

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



40.4534, 18.7770, 11.1336



33.6101, 18.7770, 1.8529



23.3212, 18.7770, 0.0000

Triad

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



33.6101, 18.7770, 1.8529



5.9073, 18.7770, 9.2185



22.0696, 18.7770, 116.0841

Complementary

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



33.6101, 18.7770, 1.8529



31.4202, 39.9878, 80.9246

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.



13.3043, 18.7770, 113.4988



33.6101, 18.7770, 1.8529



5.7716, 18.7770, 33.8817

Square

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



33.6101, 18.7770, 1.8529



8.4587, 18.7770, 1.4374



7.9929, 18.7770, 76.2551



32.4335, 18.7770, 81.7601

Rectangle

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



33.6101, 18.7770, 1.8529



16.9116, 18.7770, 0.0000



7.9929, 18.7770, 76.2551



18.8162, 18.7770, 120.0190

Sweetspot

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



33.6105, 18.7782, 1.8532



68.5746, 62.9913, 50.9274



41.2846, 20.2836, 47.0865



14.0574, 12.5988, 9.5940



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.



33.6105, 18.7782, 1.8532



42.4246, 23.6291, 2.3249



45.3777, 42.3126, 5.7756



14.6093, 14.8325, 14.9974



19.0972, 10.7686, 1.0720



1.4760, 0.9253, 0.1008

Inverse Universe

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



31.4202, 39.9878, 80.9246



39.6389, 50.3978, 102.2463



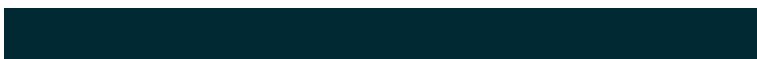
16.4111, 9.9696, 75.9216



14.5497, 15.8208, 18.4312



17.8769, 22.8159, 45.8449



1.3835, 1.8109, 3.4086

Previews

White Background



This preview shows how the XYZ color 33.6101, 18.7770, 1.8529 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



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 33.6101, 18.7770, 1.8529

Background



This preview shows how black text looks on a background with the XYZ color 33.6101, 18.7770, 1.8529.



This preview shows how white text looks on a background with the XYZ color 33.6101, 18.7770,

1.8529.

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

33.6101, 18.7770, 1.8529

Protanopia

17.1885, 18.9881, 3.7960

Deuteranopia

19.0796, 18.9369, 2.6496



Tritanopia

33.9330, 18.7252, 4.1113

Trichromacy



Original Color

33.6101, 18.7770, 1.8529

Protanomaly

20.6814, 16.5919, 2.6428

Deuteranomaly

22.4786, 17.0156, 2.0996

Tritanomaly

33.7316, 18.7035, 2.8692

Monochromacy



Original Color

33.6101, 18.7770, 1.8529

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

15.2437, 11.8054, 5.8901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6101, 18.7770, 1.8529 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, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 46, 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, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 46, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.6101, 18.7770, 1.8529 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, 46, 0) }
```


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

```
.border{ border-color:rgb(230, 46, 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, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 46, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.6101, 18.7770, 1.8529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 46, 0) }
```

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

```
.background{ background-color: rgb(230, 46,  
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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