

Converting Colors

XYZ(33.3010, 17.0717, 5.8807)

Have a look what the booklet for
XYZ(33.3010, 17.0717, 5.8807)
contains.

XYZ(33.1287, 16.9843, 5.8072)	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(33.1287, 16.9843,
5.8072)**

Conversions

Conversions Part 1

Format	Color
Hex	E5003C
RGB	229, 0, 60
RGB Percent	90%, 0%, 24%
CMY	0.1020, 0.9998, 0.7647
CMYK	0.00, 1.00, 0.74, 0.10
HSL	344°, 100%, 45%
HSV	344°, 100%, 90%
XYZ	33.1287, 16.9843, 5.8072
YIQ	75.3110, 117.2240, 67.2080

Conversions

Conversions Part 2

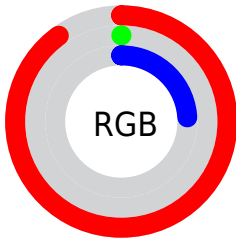
Format	Color
RYB	229, 0, 60
Decimal	15007804
CIELab	48.24, 74.98, 35.48
CIELCh	48, 82.949, 25.320
Yxy	16.9843, 0.5924, 0.3037
Android (android.graphics.Color)	4293197884 (0xFFE5003C)
YUV	75.3110, -7.5483, 134.7853
Hunter-Lab	41.2120, 71.3680, 20.4938

Details

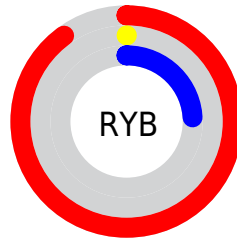
The XYZ color **33.1287, 16.9843, 5.8072** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **35.1865, 58.9052, 47.0792**, and the grayscale version is **6.7481, 7.0995, 7.7314**.

A 20% lighter version of the original color is **47.7210, 29.9758, 17.1807**, and **15.4274, 7.9395, 1.3355** is the 20% darker color. If you saturate the color by 10%, you get **33.1273, 16.9837, 5.8013**, and if you desaturate by 10%, it is **33.9546, 17.8035, 8.6503**.

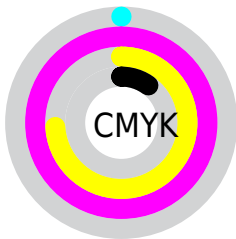
Distribution



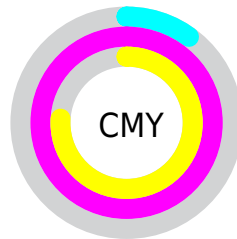
- Red (90%)
- Green (0%)
- Blue (24%)



- Red (90%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1287, 16.9843, 5.8072 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 33.1287, 16.9843, 5.8072 by changing the saturation by 10% instead.


 33.1287, 16.9843,
5.8072


 33.1287, 16.9843,
5.8072


307.8840,
235.0819, 166.5838


 22.3848, 10.2233,
2.6613


 63.9297, 38.2988,
18.0001


 14.2581, 5.5473,
0.9239


 84.7176, 53.6210,
27.8842

 8.3833, 2.5718,
0.0000


 109.5840, 72.5659,
40.8514

 4.3950, 0.9125,
0.0000

 138.8946, 95.5176,
57.3204

 1.9279, 0.0000,
0.0000

 173.0145,
122.8607, 77.7095

 0.5930, 0.0000,
0.0000

 212.3091,

 0.0000, 0.0000,

154.9795, 102.4375

0.0000

257.1438,
192.2584, 131.9227

■ 33.1287, 16.9843,
5.8072

■ 33.1287, 16.9843,
5.8072

■ 33.1273, 16.9837,
5.8013

■ 33.9546, 17.8035,
8.6503

■ 35.2961, 19.4055,
12.4300

■ 37.2795, 22.0257,
17.2427

■ 39.9815, 25.8014,
23.1630

■ 43.4672, 30.8482,
30.2582

■ 47.7942, 37.2677,
38.5895

■ 53.0146, 45.1511,
48.2139

■ 59.1761, 54.5817,
59.1847

■ 66.3230, 65.6365,
71.5519

Harmonies

Analogous

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



35.3492, 16.9843, 22.0941



33.1287, 16.9843, 5.8072



25.8847, 16.9843, 1.0482

Triad

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



33.1287, 16.9843, 5.8072



6.9103, 16.9843, 3.4951



14.9882, 16.9843, 98.5039

Complementary

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



33.1287, 16.9843, 5.8072



35.1865, 58.9052, 47.0792

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.



9.2154, 16.9843, 78.0236



33.1287, 16.9843, 5.8072



5.5711, 16.9843, 15.3062

Square

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



33.1287, 16.9843, 5.8072



10.6994, 16.9843, 0.5728



6.2596, 16.9843, 42.5620



23.1766, 16.9843, 87.2131

Rectangle

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



33.1287, 16.9843, 5.8072



20.1057, 16.9843, 0.2049



6.2596, 16.9843, 42.5620



12.7386, 16.9843, 94.8363

Sweetspot

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



33.1291, 16.9854, 5.8074



67.5143, 57.4018, 61.2682



30.2808, 13.9775, 75.2301



13.8175, 11.3263, 11.9579



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.



33.1291, 16.9854, 5.8074



42.2461, 21.6624, 7.2280



33.6081, 19.2479, 1.9455



14.5311, 14.4296, 15.7313



18.9828, 9.7273, 3.5385



1.4402, 0.7338, 0.4585

Inverse Universe

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



33.1291, 16.9854, 5.8074



42.2461, 21.6624, 7.2280



29.5865, 36.5435, 79.6224



14.5311, 14.4296, 15.7313



18.9828, 9.7273, 3.5385



1.4402, 0.7338, 0.4585

Previews

White Background



This preview shows how the XYZ color 33.1287, 16.9843, 5.8072 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 33.1287, 16.9843, 5.8072 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1287, 16.9843, 5.8072

Background



This preview shows how black text looks on a background with the XYZ color 33.1287, 16.9843, 5.8072.



This preview shows how white text looks on a background with the XYZ color 33.1287, 16.9843,

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

33.1287, 16.9843, 5.8072

Protanopia

16.4030, 17.5141, 12.1889

Deuteranopia

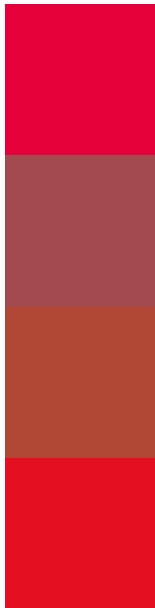
17.8950, 17.6020, 5.2507



Tritanopia

32.4437, 17.2297, 2.1460

Trichromacy



Original Color

33.1287, 16.9843, 5.8072

Protanomaly

18.7604, 13.1435, 8.9453

Deuteranomaly

20.7776, 13.9845, 4.8530

Tritanomaly

32.4547, 16.9744, 3.0047

Monochromacy



Original Color

33.1287, 16.9843, 5.8072

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.5225, 7.3814, 6.6118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1287, 16.9843, 5.8072 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, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 60)  
}
```

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, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 60) }
```

Border

The CSS property to change the border of an element to XYZ 33.1287, 16.9843, 5.8072 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, 0, 60) }
```


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

```
.border{ border-color:rgb(229, 0, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 0, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.1287, 16.9843, 5.8072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 60) }
```

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

```
.background{ background-color: rgb(229, 0,  
60) }
```

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