

Converting Colors

XYZ(32.9898, 16.8851, 7.0445)

Have a look what the booklet for
XYZ(32.9898, 16.8851, 7.0445)
contains.

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Color

**XYZ(33.0383, 16.9113,
6.9917)**

Conversions

Conversions Part 1

Format	Color
Hex	E40044
RGB	228, 0, 68
RGB Percent	89%, 0%, 27%
CMY	0.1059, 0.9998, 0.7333
CMYK	0.00, 1.00, 0.70, 0.11
HSL	342°, 100%, 45%
HSV	342°, 100%, 89%
XYZ	33.0383, 16.9113, 6.9917
YIQ	75.9240, 114.0600, 69.4840

Conversions

Conversions Part 2

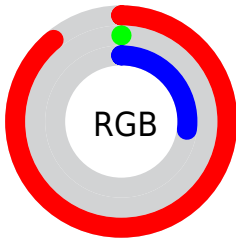
Format	Color
RYB	228, 0, 68
Decimal	14942276
CIELab	48.15, 75.06, 30.51
CIELCh	48, 81.022, 22.122
Yxy	16.9113, 0.5802, 0.2970
Android (android.graphics.Color)	4293132356 (0xFFE40044)
YUV	75.9240, -3.9065, 133.3707
Hunter-Lab	41.1234, 71.4402, 18.7060

Details

The XYZ color **33.0383, 16.9113, 6.9917** 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 **34.0935, 58.0267, 42.6844**, and the grayscale version is **6.8530, 7.2099, 7.8516**.

A 20% lighter version of the original color is **48.2195, 30.1752, 19.8060**, and **15.4963, 7.9671, 1.6983** is the 20% darker color. If you saturate the color by 10%, you get **33.0370, 16.9108, 6.9859**, and if you desaturate by 10%, it is **33.8986, 17.7409, 10.0259**.

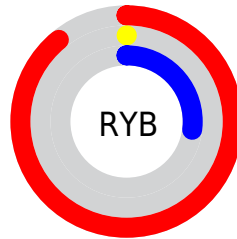
Distribution



Red (89%)

Green (0%)

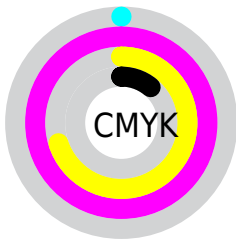
Blue (27%)



Red (89%)

Yellow (0%)

Blue (27%)

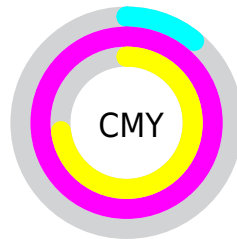


Cyan (0%)

Magenta (100%)

Yellow (70%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0383, 16.9113, 6.9917 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 33.0383, 16.9113, 6.9917 by changing the saturation by 10% instead.


 33.0383, 16.9113,
6.9917


 33.0383, 16.9113,
6.9917


307.4842,
234.6607, 177.2230


 22.3152, 10.1713,
3.3785


 63.7896, 38.1732,
20.4691


 14.2066, 5.5127,
1.2910


 84.5485, 53.4639,
31.1704

 8.3471, 2.5511,
0.0544


 109.3833, 72.3735,
45.0715

 4.3715, 0.9021,
0.0000

 138.6594, 95.2866,
62.5910

 1.9144, 0.0000,
0.0000

 172.7422,
122.5875, 84.1473

 0.5852, 0.0000,
0.0000

 211.9971,

 0.0000, 0.0000,

154.6605, 110.1591

0.0000

256.7893,
191.8901, 141.0448

■ 33.0383, 16.9113,
6.9917

■ 33.0383, 16.9113,
6.9917

■ 33.0370, 16.9108,
6.9859

■ 33.8986, 17.7409,
10.0259

■ 35.2588, 19.3410,
13.9333

■ 37.2423, 21.9441,
18.7990

■ 39.9232, 25.6854,
24.6885

■ 43.3645, 30.6788,
31.6604

■ 47.6220, 37.0240,
39.7685

■ 52.7459, 44.8110,
49.0627

■ 58.7823, 54.1217,
59.5899

■ 65.7739, 65.0318,
71.3943

Harmonies

Analogous

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



34.5261, 16.9113, 24.5355



33.0383, 16.9113, 6.9917



26.4037, 16.9113, 1.3815

Triad

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



33.0383, 16.9113, 6.9917



7.3013, 16.9113, 3.0672



14.2138, 16.9113, 94.6230

Complementary

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



33.0383, 16.9113, 6.9917



34.0935, 58.0267, 42.6844

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.



8.8654, 16.9113, 72.3849



33.0383, 16.9113, 6.9917



5.7466, 16.9113, 13.4053

Square

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



33.0383, 16.9113, 6.9917



11.3181, 16.9113, 0.5563



6.2156, 16.9113, 38.2436



22.0036, 16.9113, 87.0977

Rectangle

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



33.0383, 16.9113, 6.9917



20.8133, 16.9113, 0.4128



6.2156, 16.9113, 38.2436



12.1144, 16.9113, 90.0182

Sweetspot

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



33.0387, 16.9124, 6.9919



67.8385, 57.5315, 62.9751



28.4244, 13.0365, 74.4166



13.8927, 11.3563, 12.3536



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.



33.0387, 16.9124, 6.9919



42.5449, 21.7820, 8.8017



32.9581, 18.4201, 1.8198



14.5529, 14.4383, 15.8459



19.1225, 9.7832, 4.2739



1.4529, 0.7389, 0.5256

Inverse Universe

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



33.0387, 16.9124, 6.9919



42.5449, 21.7820, 8.8017



30.8162, 39.2258, 79.3455



14.5529, 14.4383, 15.8459



19.1225, 9.7832, 4.2739



1.4529, 0.7389, 0.5256

Previews

White Background



This preview shows how the XYZ color 33.0383, 16.9113, 6.9917 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 33.0383, 16.9113, 6.9917 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 33.0383, 16.9113, 6.9917

Background



This preview shows how black text looks on a background with the XYZ color 33.0383, 16.9113, 6.9917.

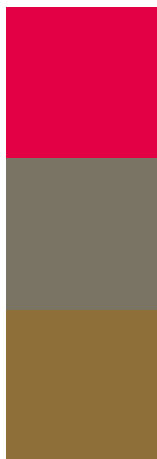


This preview shows how white text looks on a background with the XYZ color 33.0383, 16.9113,

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

33.0383, 16.9113, 6.9917

Protanopia

16.6204, 17.5679, 14.8269

Deuteranopia

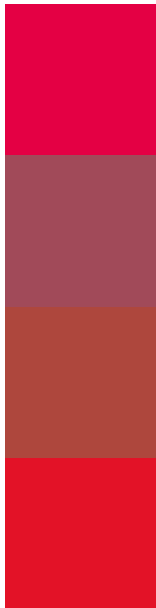
17.7507, 17.5039, 6.3139



Tritanopia

32.2386, 17.2193, 2.3836

Trichromacy



Original Color

33.0383, 16.9113, 6.9917

Protanomaly

18.9499, 13.1959, 10.9995

Deuteranomaly

20.5511, 13.8421, 6.0035

Tritanomaly

32.2611, 16.9100, 3.4831

Monochromacy



Original Color

33.0383, 16.9113, 6.9917

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.6196, 7.4202, 7.1232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0383, 16.9113, 6.9917 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(228, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(228, 0, 68)  
}
```

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(228, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 33.0383, 16.9113, 6.9917 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(228, 0, 68) }
```


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

```
.border{ border-color:rgb(228, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(228, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(228, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.0383, 16.9113, 6.9917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 0, 68) }
```

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

```
.background{ background-color: rgb(228, 0,  
68) }
```

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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