

Converting Colors

XYZ(32.0777, 16.6594, 1.5249)

Have a look what the booklet for
XYZ(32.0777, 16.6594, 1.5249)
contains.

XYZ(32.0817, 16.6676, 1.5263)	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>	30

Color

**XYZ(32.0817, 16.6676,
1.5263)**

Conversions

Conversions Part 1

Format	Color
Hex	E40800
RGB	228, 8, 0
RGB Percent	89%, 3%, 0%
CMY	0.1059, 0.9684, 1.0000
CMYK	0.00, 0.96, 1.00, 0.11
HSL	2°, 100%, 45%
HSV	2°, 100%, 89%
XYZ	32.0817, 16.6676, 1.5263
YIQ	72.8680, 133.6880, 44.1520

Conversions

Conversions Part 2

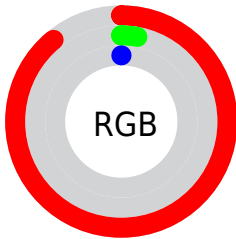
Format	Color
RYB	228, 8, 0
Decimal	14944256
CIELab	47.84, 72.97, 61.84
CIELCh	48, 95.648, 40.283
Yxy	16.6676, 0.6381, 0.3315
Android (android.graphics.Color)	4293134336 (0xFFE40800)
YUV	72.8680, -35.9239, 136.0508
Hunter-Lab	40.8260, 68.8227, 26.3616

Details

The XYZ color **32.0817, 16.6676, 1.5263** 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 **39.5827, 56.7599, 82.2676**, and the grayscale version is **6.3594, 6.6905, 7.2860**.

A 20% lighter version of the original color is **45.7810, 29.1998, 6.9646**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **32.0820, 16.6686, 1.5265**, and if you desaturate by 10%, it is **32.6128, 17.4859, 2.4565**.

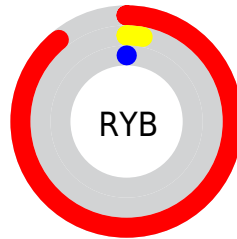
Distribution



Red (89%)

Green (3%)

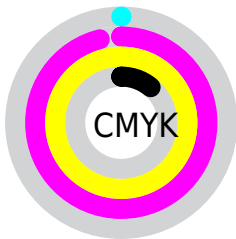
Blue (0%)



Red (89%)

Yellow (3%)

Blue (0%)

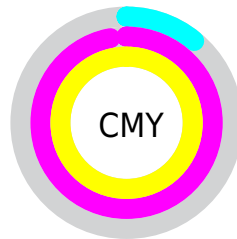


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (97%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0817, 16.6676, 1.5263 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 32.0817, 16.6676, 1.5263 by changing the saturation by 10% instead.

 32.0817, 16.6676,
1.5263


 32.0817, 16.6676,
1.5263


 303.2299,
233.2495, 114.5237


 21.5798, 9.9978,
0.2374


 62.3035, 37.7534,
7.6998


 13.6633, 5.3975,
0.0000


 82.7540, 52.9381,
13.5889

 7.9670, 2.4823,
0.0000


 107.2515, 71.7300,
21.9042

 4.1255, 0.8678,
0.0000

 136.1612, 94.5133,
33.0644

 1.7734, 0.0000,
0.0000

 169.8486,
121.6725, 47.4878


 0.5015, 0.0000,
0.0000


 208.6789,


 0.0000, 0.0000,


153.5921, 65.5932


0.0000


 253.0176,
190.6562, 87.7989


 32.0817, 16.6676,
1.5263


 32.0817, 16.6676,
1.5263


 32.0820, 16.6686,
1.5265

 32.6128, 17.4859,
2.4565

 33.7099, 19.1478,
4.4630

 35.5016, 21.8188,
7.8736

 38.0775, 25.6244,
12.8823

 41.5136, 30.6721,
19.6523

■ 45.8771, 37.0569,
28.3270

■ 51.2283, 44.8646,
39.0348

■ 57.6225, 54.1736,
51.8932

■ 65.1112, 65.0570,
67.0105

Harmonies

Analogous

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



38.2901, 16.6676, 10.9446



32.0817, 16.6676, 1.5263



22.0945, 16.6676, 0.0000

Triad

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



32.0817, 16.6676, 1.5263



4.8242, 16.6676, 6.4087



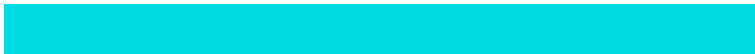
18.9780, 16.6676, 115.8499

Complementary

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



32.0817, 16.6676, 1.5263



39.5827, 56.7599, 82.2676

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.



10.8967, 16.6676, 109.0573



32.0817, 16.6676, 1.5263



4.5129, 16.6676, 27.9723

Square

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



32.0817, 16.6676, 1.5263



7.3814, 16.6676, 0.6652



6.2860, 16.6676, 69.1462



29.1040, 16.6676, 83.4545

Rectangle

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



32.0817, 16.6676, 1.5263



15.7605, 16.6676, 0.0000



6.2860, 16.6676, 69.1462



15.9239, 16.6676, 118.4829

Sweetspot

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



32.0820, 16.6687, 1.5265



65.8911, 57.6243, 50.0329



44.9658, 21.6824, 69.8028



13.4451, 11.3740, 9.3898



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.



32.0820, 16.6687, 1.5265



41.3378, 21.4555, 1.9626



38.9052, 30.3150, 3.8009



14.4176, 14.4491, 14.9335



18.5435, 9.6611, 0.8874



1.3848, 0.7429, 0.0704

Inverse Universe

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



39.5827, 56.7599, 82.2676



51.0040, 73.1279, 106.0347



19.1989, 15.9922, 75.4730



14.7615, 16.2445, 18.5018



22.8760, 32.8141, 47.5112



1.7042, 2.4523, 3.5155

Previews

White Background



This preview shows how the XYZ color 32.0817, 16.6676, 1.5263 looks on a white background.

Color Contrast Check

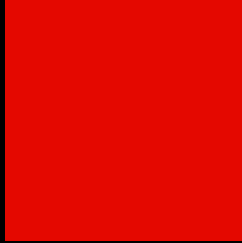
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0817, 16.6676, 1.5263 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 32.0817, 16.6676, 1.5263

Background



This preview shows how black text looks on a background with the XYZ color 32.0817, 16.6676, 1.5263.



This preview shows how white text looks on a background with the XYZ color 32.0817, 16.6676,

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

32.0817, 16.6676, 1.5263

Protanopia

15.4058, 17.0173, 3.6351

Tritanopia

31.6322, 16.7051, 1.5572

Trichromacy



Original Color

32.0817, 16.6676, 1.5263

Protanomaly

18.2107, 13.2119, 2.1626

Tritanomaly

31.8638, 16.7015, 1.5443

Monochromacy



Original Color

32.0817, 16.6676, 1.5263

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.6447, 7.0610, 3.3866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0817, 16.6676, 1.5263 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, 8, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 8, 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(228, 8, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 8, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.0817, 16.6676, 1.5263 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, 8, 0) }
```

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

```
.border{ border-color:rgb(228, 8, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 8, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 8, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(228, 8, 0); box-shadow:4px  
4px 4px 4px rgb(228, 8, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 32.0817, 16.6676, 1.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 8, 0) }
```

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

```
.background{ background-color: rgb(228, 8,  
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](#).

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