

Converting Colors

XYZ(32.5296, 16.7630, 1.8199)

Have a look what the booklet for
XYZ(32.5296, 16.7630, 1.8199)
contains.

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Color

**XYZ(32.3679, 16.6799,
1.8007)**

Conversions

Conversions Part 1

Format	Color
Hex	E5000A
RGB	229, 0, 10
RGB Percent	90%, 0%, 4%
CMY	0.1020, 0.9998, 0.9608
CMYK	0.00, 1.00, 0.96, 0.10
HSL	357°, 100%, 45%
HSV	357°, 100%, 90%
XYZ	32.3679, 16.6799, 1.8007
YIQ	69.6110, 133.2740, 51.6580

Conversions

Conversions Part 2

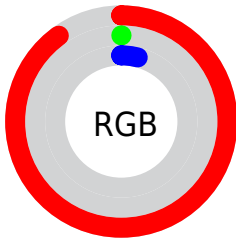
Format	Color
RYB	229, 0, 10
Decimal	15007754
CIELab	47.85, 73.93, 59.14
CIELCh	48, 94.673, 38.657
Yxy	16.6799, 0.6366, 0.3280
Android (android.graphics.Color)	4293197834 (0xFFE5000A)
YUV	69.6110, -29.3882, 139.7842
Hunter-Lab	40.8410, 69.9955, 25.9746

Details

The XYZ color **32.3679, 16.6799, 1.8007** 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 **40.8129, 61.1558, 76.7074**, and the grayscale version is **5.7934, 6.0952, 6.6376**.

A 20% lighter version of the original color is **45.8506, 29.0900, 7.7558**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.3674, 16.6797, 1.7992**, and if you desaturate by 10%, it is **32.8778, 17.3726, 2.9802**.

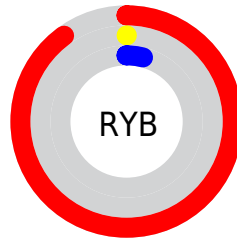
Distribution



Red (90%)

Green (0%)

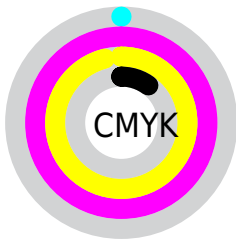
Blue (4%)



Red (90%)

Yellow (0%)

Blue (4%)

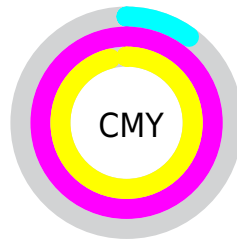


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3679, 16.6799, 1.8007 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 32.3679, 16.6799, 1.8007 by changing the saturation by 10% instead.


 32.3679, 16.6799,
1.8007


 32.3679, 16.6799,
1.8007


 304.5074,
233.3209, 119.2010


 21.7996, 10.0065,
0.4284


 62.7487, 37.7746,
8.4884


 13.8255, 5.4033,
0.0000


 83.2919, 52.9647,
14.7340


 8.0803, 2.4858,
0.0000


 107.8907, 71.7625,
23.4723

 4.1986, 0.8695,
0.0000

 136.9106, 94.5524,
35.1216

 1.8151, 0.0000,
0.0000

 170.7168,
121.7188, 50.1006


 0.5267, 0.0000,
0.0000


 209.6748,


 0.0000, 0.0000,


153.6461, 68.8278


0.0000


 254.1499,
190.7187, 91.7218


 32.3679, 16.6799,
1.8007


 32.3679, 16.6799,
1.8007


 32.3674, 16.6797,
1.7992

 32.8778, 17.3726,
2.9802

 33.9456, 18.8650,
5.3189

 35.7205, 21.4017,
9.0340

 38.2968, 25.1270,
14.2930

 41.7542, 30.1623,
21.2399

■ 46.1629, 36.6143,
30.0018

■ 51.5860, 44.5785,
40.6938

■ 58.0810, 54.1423,
53.4215

■ 65.7013, 65.3863,
68.2828

Harmonies

Analogous

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



38.1504, 16.6799, 11.9828



32.3679, 16.6799, 1.8007



22.5844, 16.6799, 0.0000

Triad

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



32.3679, 16.6799, 1.8007



4.9765, 16.6799, 5.8894



18.4459, 16.6799, 115.0174

Complementary

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



32.3679, 16.6799, 1.8007



40.8129, 61.1558, 76.7074

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.



10.6139, 16.6799, 106.0872



32.3679, 16.6799, 1.8007



4.5568, 16.6799, 26.1660

Square

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



32.3679, 16.6799, 1.8007



7.6730, 16.6799, 0.5997



6.2027, 16.6799, 65.9648



28.4260, 16.6799, 84.8182

Rectangle

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



32.3679, 16.6799, 1.8007



16.2403, 16.6799, 0.0000



6.2027, 16.6799, 65.9648



15.4734, 16.6799, 116.8098

Sweetspot

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



32.3682, 16.6810, 1.8009



65.6853, 56.6702, 51.6369



42.9230, 20.4947, 75.8218



13.3987, 11.1587, 9.7521



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.



32.3682, 16.6810, 1.8009



41.3009, 21.2843, 2.2505



37.1713, 26.3743, 3.1331



14.4022, 14.3781, 15.0526



18.5175, 9.5412, 1.0883



1.3774, 0.7087, 0.1278

Inverse Universe

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



32.3682, 16.6810, 1.8009



41.3009, 21.2843, 2.2505



21.6009, 20.5724, 76.9606



14.4022, 14.3781, 15.0526



18.5175, 9.5412, 1.0883



1.3774, 0.7087, 0.1278

Previews

White Background



This preview shows how the XYZ color 32.3679, 16.6799, 1.8007 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



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 32.3679, 16.6799, 1.8007

Background



This preview shows how black text looks on a background with the XYZ color 32.3679, 16.6799, 1.8007.



This preview shows how white text looks on a background with the XYZ color 32.3679, 16.6799,

1.8007.

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

32.3679, 16.6799, 1.8007

Protanopia

15.7120, 17.3409, 3.8855

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

31.9467, 16.8672, 1.5719

Trichromacy



Original Color

32.3679, 16.6799, 1.8007

Protanomaly

18.3395, 13.0705, 2.4204

Deuteranomaly

20.1166, 13.6192, 1.6834

Tritanomaly

32.1607, 16.7906, 1.6607

Monochromacy



Original Color

32.3679, 16.6799, 1.8007

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

10.3740, 6.6794, 3.5388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3679, 16.6799, 1.8007 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, 10)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 10) }
```

Border

The CSS property to change the border of an element to XYZ 32.3679, 16.6799, 1.8007 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, 10) }
```


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

```
.border{ border-color:rgb(229, 0, 10) }
```

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, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3679, 16.6799, 1.8007 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, 10) }
```

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

```
.background{ background-color: rgb(229, 0,  
10) }
```

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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