

Converting Colors

XYZ(32.5425, 16.7682, 1.8865)

Have a look what the booklet for
XYZ(32.5425, 16.7682, 1.8865)
contains.

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Color

**XYZ(32.3857, 16.6871,
1.8948)**

Conversions

Conversions Part 1

Format	Color
Hex	E5000D
RGB	229, 0, 13
RGB Percent	90%, 0%, 5%
CMY	0.1020, 0.9998, 0.9490
CMYK	0.00, 1.00, 0.94, 0.10
HSL	357°, 100%, 45%
HSV	357°, 100%, 90%
XYZ	32.3857, 16.6871, 1.8948
YIQ	69.9530, 132.3110, 52.5910

Conversions

Conversions Part 2

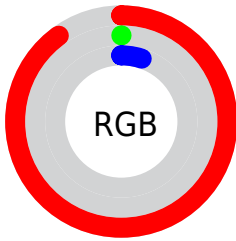
Format	Color
RYB	229, 0, 13
Decimal	15007757
CIELab	47.86, 73.95, 58.28
CIElCh	48, 94.159, 38.241
Yxy	16.6871, 0.6354, 0.3274
Android (android.graphics.Color)	4293197837 (0xFFE5000D)
YUV	69.9530, -28.0778, 139.4842
Hunter-Lab	40.8498, 70.0273, 25.8448

Details

The XYZ color **32.3857, 16.6871, 1.8948** 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 **40.4217, 60.9992, 74.6477**, and the grayscale version is **5.8489, 6.1534, 6.7011**.

A 20% lighter version of the original color is **45.8783, 29.1011, 7.9016**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.3850, 16.6868, 1.8929**, and if you desaturate by 10%, it is **32.9159, 17.3880, 3.1810**.

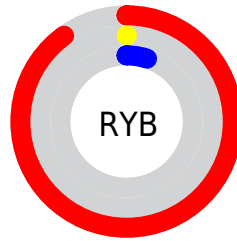
Distribution



Red (90%)

Green (0%)

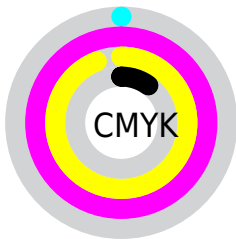
Blue (5%)



Red (90%)

Yellow (0%)

Blue (5%)

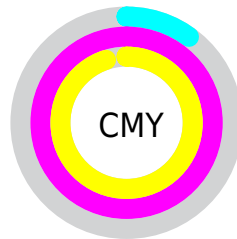


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3857, 16.6871, 1.8948 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 32.3857, 16.6871, 1.8948 by changing the saturation by 10% instead.


 32.3857, 16.6871,
1.8948


 32.3857, 16.6871,
1.8948


304.5867,
233.3627, 120.7212


 21.8132, 10.0117,
0.4894


 62.7764, 37.7870,
8.7511


 13.8356, 5.4067,
0.0000


 83.3253, 52.9803,
15.1129

 8.0873, 2.4878,
0.0000


 107.9305, 71.7816,
23.9884

 4.2032, 0.8705,
0.0000

 136.9572, 94.5753,
35.7962

 1.8177, 0.0000,
0.0000

 170.7708,
121.7459, 50.9548


 0.5283, 0.0000,
0.0000


 209.7367,


 0.0000, 0.0000,


153.6777, 69.8829


0.0000


 254.2202,
190.7552, 92.9988


 32.3857, 16.6871,
1.8948


 32.3857, 16.6871,
1.8948


 32.3850, 16.6868,
1.8929

 32.9159, 17.3880,
3.1810

 34.0032, 18.8884,
5.6223

 35.7947, 21.4319,
9.4236

 38.3828, 25.1621,
14.7444

 41.8462, 30.2000,
21.7218

■ 46.2539, 36.6518,
30.4779

■ 51.6682, 44.6128,
41.1230

■ 58.1459, 54.1699,
53.7587

■ 65.7396, 65.4036,
68.4792

Harmonies

Analogous

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



38.0364, 16.6871, 12.2739



32.3857, 16.6871, 1.8948



22.6916, 16.6871, 0.0000

Triad

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



32.3857, 16.6871, 1.8948



5.0382, 16.6871, 5.7887



18.3096, 16.6871, 114.3557

Complementary

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



32.3857, 16.6871, 1.8948



40.4217, 60.9992, 74.6477

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.



10.5598, 16.6871, 104.9453



32.3857, 16.6871, 1.8948



4.5905, 16.6871, 25.7027

Square

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



32.3857, 16.6871, 1.8948



7.7689, 16.6871, 0.5991



6.2041, 16.6871, 64.9863



28.2181, 16.6871, 84.8738

Rectangle

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



32.3857, 16.6871, 1.8948



16.3656, 16.6871, 0.0000



6.2041, 16.6871, 64.9863



15.3661, 16.6871, 115.9285

Sweetspot

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



32.3860, 16.6882, 1.8950



65.7891, 56.7117, 52.1831



41.7980, 19.9149, 75.7689



13.4221, 11.1681, 9.8758



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.



32.3860, 16.6882, 1.8950



41.3221, 21.2928, 2.3624



36.8002, 25.6322, 3.0096



14.4099, 14.3811, 15.0927



18.5303, 9.5463, 1.1557



1.3810, 0.7101, 0.1471

Inverse Universe

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



32.3860, 16.6882, 1.8950



41.3221, 21.2928, 2.3624



22.0984, 21.5673, 77.1262



14.4099, 14.3811, 15.0927



18.5303, 9.5463, 1.1557



1.3810, 0.7101, 0.1471

Previews

White Background



This preview shows how the XYZ color 32.3857, 16.6871, 1.8948 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 32.3857, 16.6871, 1.8948

Background



This preview shows how black text looks on a background with the XYZ color 32.3857, 16.6871, 1.8948.



This preview shows how white text looks on a background with the XYZ color 32.3857, 16.6871,

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

32.3857, 16.6871, 1.8948

Protanopia

15.7400, 17.3521, 4.0331

Deuteranopia

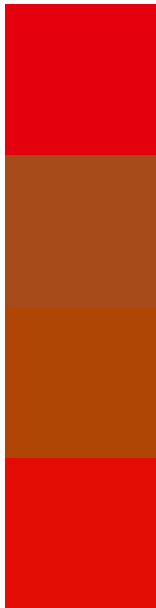
17.4300, 17.2629, 2.4134



Tritanopia

31.9467, 16.8672, 1.5719

Trichromacy



Original Color

32.3857, 16.6871, 1.8948

Protanomaly

18.3611, 13.0791, 2.5341

Deuteranomaly

20.1220, 13.6214, 1.7122

Tritanomaly

32.1662, 16.7928, 1.6896

Monochromacy



Original Color

32.3857, 16.6871, 1.8948

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

10.3949, 6.6877, 3.6487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3857, 16.6871, 1.8948 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 13) }
```

Border

The CSS property to change the border of an element to XYZ 32.3857, 16.6871, 1.8948 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, 13) }
```


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

```
.border{ border-color:rgb(229, 0, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3857, 16.6871, 1.8948 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, 13) }
```

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

```
.background{ background-color: rgb(229, 0,  
13) }
```

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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