

Converting Colors

XYZ(32.5668, 16.7780, 2.0143)

Have a look what the booklet for
XYZ(32.5668, 16.7780, 2.0143)
contains.

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Color

**XYZ(32.4066, 16.6954,
2.0047)**

Conversions

Conversions Part 1

Format	Color
Hex	E50010
RGB	229, 0, 16
RGB Percent	90%, 0%, 6%
CMY	0.1020, 0.9998, 0.9373
CMYK	0.00, 1.00, 0.93, 0.10
HSL	356°, 100%, 45%
HSV	356°, 100%, 90%
XYZ	32.4066, 16.6954, 2.0047
YIQ	70.2950, 131.3480, 53.5240

Conversions

Conversions Part 2

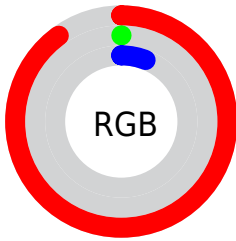
Format	Color
RYB	229, 0, 16
Decimal	15007760
CIELab	47.87, 73.98, 57.32
CIELCh	48, 93.588, 37.765
Yxy	16.6954, 0.6341, 0.3267
Android (android.graphics.Color)	4293197840 (0xFFE50010)
YUV	70.2950, -26.7674, 139.1843
Hunter-Lab	40.8600, 70.0657, 25.6931

Details

The XYZ color **32.4066, 16.6954, 2.0047** 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 **40.0369, 60.8454, 72.6210**, and the grayscale version is **5.9036, 6.2111, 6.7639**.

A 20% lighter version of the original color is **45.9352, 29.1238, 8.2014**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.4060, 16.6951, 2.0027**, and if you desaturate by 10%, it is **32.9571, 17.4044, 3.3978**.

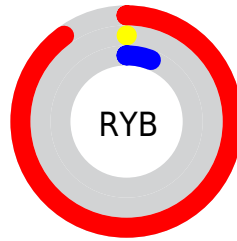
Distribution



Red (90%)

Green (0%)

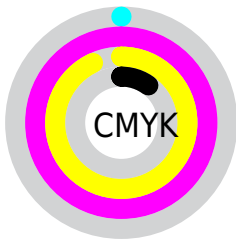
Blue (6%)



Red (90%)

Yellow (0%)

Blue (6%)

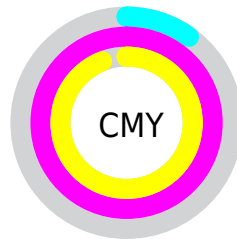


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4066, 16.6954, 2.0047 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 32.4066, 16.6954, 2.0047 by changing the saturation by 10% instead.


 32.4066, 16.6954,
2.0047


 32.4066, 16.6954,
2.0047


304.6798,
233.4109, 122.4497


 21.8293, 10.0176,
0.5582


 62.8089, 37.8013,
9.0536


 13.8474, 5.4106,
0.0000


 83.3646, 52.9982,
15.5475

 8.0956, 2.4901,
0.0000


 107.9771, 71.8035,
24.5790

 4.2085, 0.8717,
0.0000

 137.0118, 94.6017,
36.5666

 1.8208, 0.0000,
0.0000

 170.8341,
121.7771, 51.9290


 0.5301, 0.0000,
0.0000


 209.8093,


 0.0000, 0.0000,


153.7142, 71.0846


0.0000


 254.3027,
190.7973, 94.4520


 32.4066, 16.6954,
2.0047


 32.4066, 16.6954,
2.0047


 32.4060, 16.6951,
2.0027

 32.9571, 17.4044,
3.3978

 34.0635, 18.9123,
5.9399

 35.8707, 21.4619,
9.8250

 38.4699, 25.1964,
15.2044

 41.9384, 30.2362,
22.2092

■ 46.3443, 36.6871,
30.9563

■ 51.7490, 44.6441,
41.5516

■ 58.2087, 54.1938,
54.0927

■ 65.7751, 65.4164,
68.6703

Harmonies

Analogous

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



37.9092, 16.6954, 12.6080



32.4066, 16.6954, 2.0047



22.8133, 16.6954, 0.0000

Triad

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



32.4066, 16.6954, 2.0047



5.1082, 16.6954, 5.6764



18.1570, 16.6954, 113.6169

Complementary

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



32.4066, 16.6954, 2.0047



40.0369, 60.8454, 72.6210

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.



10.4989, 16.6954, 103.6713



32.4066, 16.6954, 2.0047



4.6286, 16.6954, 25.1870

Square

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



32.4066, 16.6954, 2.0047



7.8779, 16.6954, 0.5983



6.2056, 16.6954, 63.8964



27.9854, 16.6954, 84.9399

Rectangle

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



32.4066, 16.6954, 2.0047



16.5079, 16.6954, 0.0000



6.2056, 16.6954, 63.8964



15.2458, 16.6954, 114.9445

Sweetspot

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



32.4069, 16.6965, 2.0049



65.8938, 56.7536, 52.7344



40.6990, 19.3483, 75.7176



13.4459, 11.1776, 10.0009



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.



32.4069, 16.6965, 2.0049



41.3472, 21.3029, 2.4946



36.4458, 24.9234, 2.8914



14.4175, 14.3842, 15.1330



18.5441, 9.5518, 1.2281



1.3847, 0.7116, 0.1664

Inverse Universe

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



32.4069, 16.6965, 2.0049



41.3472, 21.3029, 2.4946



22.6141, 22.5989, 77.2982



14.4175, 14.3842, 15.1330



18.5441, 9.5518, 1.2281



1.3847, 0.7116, 0.1664

Previews

White Background



This preview shows how the XYZ color 32.4066, 16.6954, 2.0047 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 32.4066, 16.6954, 2.0047 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 32.4066, 16.6954, 2.0047

Background



This preview shows how black text looks on a background with the XYZ color 32.4066, 16.6954, 2.0047.



This preview shows how white text looks on a background with the XYZ color 32.4066, 16.6954,

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

32.4066, 16.6954, 2.0047

Protanopia

15.6171, 17.2853, 4.1824

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

31.9467, 16.8672, 1.5719

Trichromacy



Original Color

32.4066, 16.6954, 2.0047

Protanomaly

18.1876, 12.9856, 2.7103

Deuteranomaly

20.1275, 13.6236, 1.7411

Tritanomaly

32.1717, 16.7950, 1.7184

Monochromacy



Original Color

32.4066, 16.6954, 2.0047

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

10.4162, 6.6963, 3.7611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4066, 16.6954, 2.0047 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 16) }
```

Border

The CSS property to change the border of an element to XYZ 32.4066, 16.6954, 2.0047 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, 16) }
```


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

```
.border{ border-color:rgb(229, 0, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 16);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.4066, 16.6954, 2.0047 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, 16) }
```

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

```
.background{ background-color: rgb(229, 0,  
16) }
```

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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