

Converting Colors

XYZ(32.4752, 17.2482, 1.6176)

Have a look what the booklet for
XYZ(32.4752, 17.2482, 1.6176)
contains.

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Color

**XYZ(32.3425, 17.1892,
1.6132)**

Conversions

Conversions Part 1

Format	Color
Hex	E41900
RGB	228, 25, 0
RGB Percent	89%, 10%, 0%
CMY	0.1059, 0.9019, 1.0000
CMYK	0.00, 0.89, 1.00, 0.11
HSL	7°, 100%, 45%
HSV	7°, 100%, 89%
XYZ	32.3425, 17.1892, 1.6132
YIQ	82.8470, 129.0130, 35.2610

Conversions

Conversions Part 2

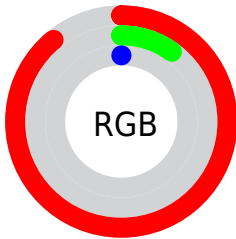
Format	Color
RYB	228, 28, 0
Decimal	14948608
CIELab	48.50, 71.07, 62.08
CIElCh	48, 94.363, 41.140
Yxy	17.1892, 0.6324, 0.3361
Android (android.graphics.Color)	4293138688 (0xFFE41900)
YUV	82.8470, -40.8436, 127.2992
Hunter-Lab	41.4599, 66.6916, 26.7149

Details

The XYZ color **32.3425, 17.1892, 1.6132** 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 **35.3528, 48.3001, 80.8577**, and the grayscale version is **8.2558, 8.6857, 9.4587**.

A 20% lighter version of the original color is **46.2285, 30.0949, 7.1138**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **32.3428, 17.1903, 1.6134**, and if you desaturate by 10%, it is **33.0981, 18.4566, 2.6182**.

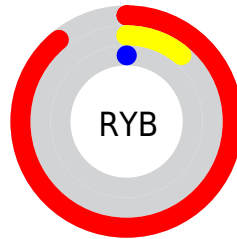
Distribution



Red (89%)

Green (10%)

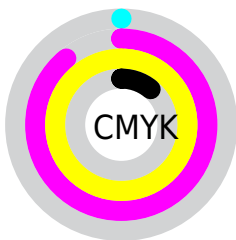
Blue (0%)



Red (89%)

Yellow (11%)

Blue (0%)

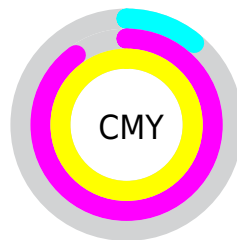


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (90%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3425, 17.1892, 1.6132 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 32.3425, 17.1892, 1.6132 by changing the saturation by 10% instead.


 32.3425, 17.1892,
1.6132


 32.3425, 17.1892,
1.6132

 304.3941,
236.2603, 116.0479


 21.7801, 10.3695,
0.3002


 62.7092, 38.6508,
7.9535


 13.8111, 5.6446,
0.0000


 83.2442, 54.0614,
13.9586

 8.0702, 2.6302,
0.0000


 107.8341, 73.1045,
22.4119

 4.1921, 0.9419,
0.0000

 136.8442, 96.1645,
33.7317

 1.8114, 0.0000,
0.0000

 170.6399,
123.6256, 48.3367

 0.5245, 0.0000,
0.0000


 209.5865,


 0.0000, 0.0000,


155.8724, 66.6453


0.0000


 254.0495,
193.2891, 89.0762


 32.3425, 17.1892,
1.6132


 32.3425, 17.1892,
1.6132

 32.3428, 17.1903,
1.6134

 33.0981, 18.4566,
2.6182

 34.4062, 20.5404,
4.6950

 36.3717, 23.5589,
8.1635

 39.0680, 27.6055,
13.2123

 42.5587, 32.7623,
20.0004

■ 46.9001, 39.1030,
28.6677

■ 52.1435, 46.6951,
39.3395

■ 58.3361, 55.6008,
52.1306

■ 65.5218, 65.8783,
67.1468

Harmonies

Analogous

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



38.7004, 17.1892, 10.9376



32.3425, 17.1892, 1.6132



22.3274, 17.1892, 0.0000

Triad

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



32.3425, 17.1892, 1.6132



5.1099, 17.1892, 7.1527



19.7674, 17.1892, 115.1870

Complementary

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



32.3425, 17.1892, 1.6132



35.3528, 48.3001, 80.8577

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.



11.5284, 17.1892, 109.7002



32.3425, 17.1892, 1.6132



4.8474, 17.1892, 29.5130

Square

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



32.3425, 17.1892, 1.6132



7.6549, 17.1892, 0.8775



6.7386, 17.1892, 70.8180



29.9090, 17.1892, 82.4141

Rectangle

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



32.3425, 17.1892, 1.6132



16.0091, 17.1892, 0.0000



6.7386, 17.1892, 70.8180



16.6710, 17.1892, 118.1959

Sweetspot

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



32.3429, 17.1903, 1.6134



67.0747, 59.9916, 50.4275



43.0382, 20.9113, 59.6517



13.7139, 11.9116, 9.4794



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.



32.3429, 17.1903, 1.6134



41.6550, 22.0901, 2.0683



40.9119, 34.3283, 4.4698



14.5037, 14.6213, 14.9622



18.7181, 10.0103, 0.9456



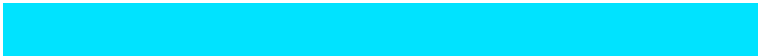
1.4260, 0.8253, 0.0841

Inverse Universe

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



35.3528, 48.3001, 80.8577



45.5216, 62.1631, 104.2072



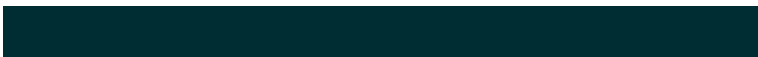
17.7617, 13.1179, 74.9940



14.6652, 16.0519, 18.4697



20.4682, 27.9985, 46.7086



1.5513, 2.1466, 3.4645

Previews

White Background



This preview shows how the XYZ color 32.3425, 17.1892, 1.6132 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 32.3425, 17.1892, 1.6132 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 32.3425, 17.1892, 1.6132

Background



This preview shows how black text looks on a background with the XYZ color 32.3425, 17.1892, 1.6132.



This preview shows how white text looks on a background with the XYZ color 32.3425, 17.1892,

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

32.3425, 17.1892, 1.6132

Protanopia

15.9431, 17.6366, 3.7263

Deuteranopia

17.6086, 17.3549, 2.4218



Tritanopia

32.4151, 17.1847, 2.0987

Trichromacy



Original Color

32.3425, 17.1892, 1.6132

Protanomaly

19.0054, 14.4913, 2.3677

Deuteranomaly

20.7005, 14.8221, 1.7699

Tritanomaly

32.3763, 17.1692, 1.8947

Monochromacy



Original Color

32.3425, 17.1892, 1.6132

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

12.5186, 8.9365, 4.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3425, 17.1892, 1.6132 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, 25, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 25, 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, 25, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 25, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.3425, 17.1892, 1.6132 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, 25, 0) }
```


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

```
.border{ border-color:rgb(228, 25, 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, 25, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 25, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 25, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 25, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3425, 17.1892, 1.6132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 25, 0) }
```

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

```
.background{ background-color: rgb(228, 25,  
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](#).

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