

Converting Colors

XYZ(32.7302, 18.4515, 1.8398)

Have a look what the booklet for
XYZ(32.7302, 18.4515, 1.8398)
contains.

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Color

**XYZ(32.7355, 18.4448,
1.8348)**

Conversions

Conversions Part 1

Format	Color
Hex	E33000
RGB	227, 48, 0
RGB Percent	89%, 19%, 0%
CMY	0.1098, 0.8117, 1.0000
CMYK	0.00, 0.79, 1.00, 0.11
HSL	13°, 100%, 45%
HSV	13°, 100%, 89%
XYZ	32.7355, 18.4448, 1.8348
YIQ	96.0490, 122.0920, 23.0200

Conversions

Conversions Part 2

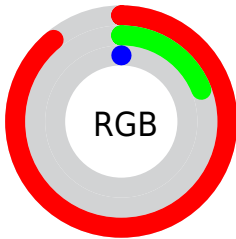
Format	Color
R_{YB}	227, 61, 0
Decimal	14888960
CIE _{Lab}	50.03, 65.86, 62.57
CIE _{LCh}	50, 90.847, 43.532
Yxy	18.4448, 0.6175, 0.3479
Android (android.graphics.Color)	4293079040 (0xFFE33000)
YUV	96.0490, -47.3522, 114.8440
Hunter-Lab	42.9474, 60.8988, 27.5302

Details

The XYZ color **32.7355, 18.4448, 1.8348** 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 **29.9819, 37.7798, 78.3845**, and the grayscale version is **11.2224, 11.8068, 12.8576**.

A 20% lighter version of the original color is **47.5797, 32.7173, 7.8103**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **32.7359, 18.4459, 1.8350**, and if you desaturate by 10%, it is **33.7732, 20.2778, 2.9289**.

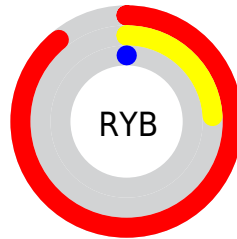
Distribution



Red (89%)

Green (19%)

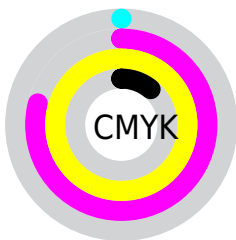
Blue (0%)



Red (89%)

Yellow (24%)

Blue (0%)

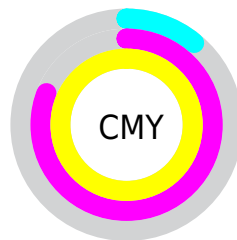


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7355, 18.4448, 1.8348 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 32.7355, 18.4448, 1.8348 by changing the saturation by 10% instead.


 32.7355, 18.4448,
1.8348


 32.7355, 18.4448,
1.8348


 306.1423,
243.3663, 119.7564


 22.0822, 11.2698,
0.4508


 63.3198, 40.7938,
8.5840

 14.0342, 6.2486,
0.0000


 83.9815, 56.7366,
14.8721


 8.2263, 2.9968,
0.0000


 108.7100, 76.3708,
23.6605

 4.2931, 1.1301,
0.0000

 137.8707,
100.0808, 35.3677

 1.8693, 0.0035,
0.0000

 171.8289,
128.2509, 50.4124


 0.5589, 0.0000,
0.0000


 210.9500,


 0.0000, 0.0000,


161.2656, 69.2131


0.0000


 255.5993,
199.5093, 92.1882

 32.7355, 18.4448,
1.8348


 32.7355, 18.4448,
1.8348


 32.7359, 18.4459,
1.8350

 33.7732, 20.2778,
2.9289

 35.3155, 22.8349,
5.0695

 37.4477, 26.1953,
8.5674

 40.2276, 30.4218,
13.6041

 43.7051, 35.5703,
20.3330

■ 47.9255, 41.6921,
28.8885

■ 52.9296, 48.8345,
39.3916

■ 58.7555, 57.0417,
51.9528

■ 65.4386, 66.3553,
66.6742

Harmonies

Analogous

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



39.4415, 18.4448, 10.8033



32.7355, 18.4448, 1.8348



22.7336, 18.4448, 0.0000

Triad

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



32.7355, 18.4448, 1.8348



5.8575, 18.4448, 9.3048



21.7600, 18.4448, 112.4688

Complementary

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



32.7355, 18.4448, 1.8348



29.9819, 37.7798, 78.3845

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.



13.1900, 18.4448, 110.4703



32.7355, 18.4448, 1.8348



5.7509, 18.4448, 33.5643

Square

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



32.7355, 18.4448, 1.8348



8.3244, 18.4448, 1.5037



7.9597, 18.4448, 74.7317



31.8220, 18.4448, 78.9925

Rectangle

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



32.7355, 18.4448, 1.8348



16.5172, 18.4448, 0.0000



7.9597, 18.4448, 74.7317



18.5859, 18.4448, 116.4355

Sweetspot

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



32.7359, 18.4459, 1.8351



68.7700, 63.3821, 50.9926



40.0804, 19.6916, 45.7276



14.1024, 12.6887, 9.6090



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.



32.7359, 18.4459, 1.8351



42.5563, 23.8926, 2.3688



44.0592, 41.0925, 5.6095



14.6228, 14.8595, 15.0019



19.1604, 10.8950, 1.0931



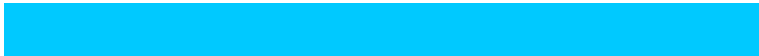
1.4825, 0.9383, 0.1030

Inverse Universe

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



29.9819, 37.7798, 78.3845



38.9511, 49.0221, 102.0170



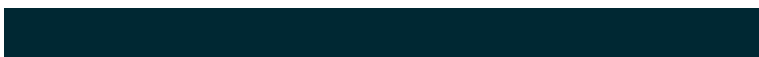
15.9382, 9.6924, 73.7032



14.5351, 15.7916, 18.4263



17.5733, 22.2086, 45.7437



1.3635, 1.7710, 3.4019

Previews

White Background



This preview shows how the XYZ color 32.7355, 18.4448, 1.8348 looks on a white 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

Black Background



This preview shows how the XYZ color 32.7355, 18.4448, 1.8348 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7355, 18.4448, 1.8348

Background



This preview shows how black text looks on a background with the XYZ color 32.7355, 18.4448, 1.8348.



This preview shows how white text looks on a background with the XYZ color 32.7355, 18.4448,

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

32.7355, 18.4448, 1.8348

Protanopia

16.9060, 18.6630, 3.7482

Deuteranopia

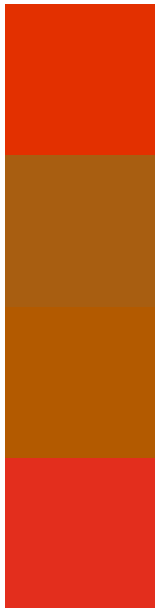
18.7798, 18.6139, 2.6030



Tritanopia

33.0906, 18.3971, 4.2896

Trichromacy



Original Color

32.7355, 18.4448, 1.8348

Protanomaly

20.2523, 16.3707, 2.6228

Deuteranomaly

22.2466, 16.8960, 2.0887

Tritanomaly

32.8773, 18.3736, 2.9760

Monochromacy



Original Color

32.7355, 18.4448, 1.8348

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

15.1399, 11.8582, 5.9058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7355, 18.4448, 1.8348 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(227, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 48, 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(227, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 48, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.7355, 18.4448, 1.8348 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(227, 48, 0) }
```


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

```
.border{ border-color:rgb(227, 48, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 48, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 48, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.7355, 18.4448, 1.8348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 48, 0) }
```

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

```
.background{ background-color: rgb(227, 48,  
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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