

Converting Colors

XYZ(30.9449, 16.0901, 0.6736)

Have a look what the booklet for
XYZ(30.9449, 16.0901, 0.6736)
contains.

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Color

**XYZ(31.1273, 16.1595,
1.4785)**

Conversions

Conversions Part 1

Format	Color
Hex	E10700
RGB	225, 7, 0
RGB Percent	88%, 3%, 0%
CMY	0.1177, 0.9723, 1.0000
CMYK	0.00, 0.97, 1.00, 0.12
HSL	2°, 100%, 44%
HSV	2°, 100%, 88%
XYZ	31.1273, 16.1595, 1.4785
YIQ	71.3840, 132.1750, 44.0390

Conversions

Conversions Part 2

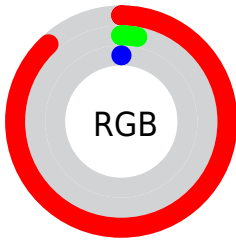
Format	Color
R_{YB}	225, 7, 0
Decimal	14747392
CIE Lab	47.18, 72.30, 61.22
CIE LCh	47, 94.741, 40.256
Yxy	16.1595, 0.6383, 0.3314
Android (android.graphics.Color)	4292937472 (0xFFE10700)
YUV	71.3840, -35.1923, 134.7212
Hunter-Lab	40.1989, 67.8703, 25.9586

Details

The XYZ color **31.1273, 16.1595, 1.4785** 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 **38.6479, 55.5510, 79.9190**, and the grayscale version is **6.1016, 6.4193, 6.9906**.

A 20% lighter version of the original color is **45.6707, 29.0180, 6.8084**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **31.1276, 16.1605, 1.4787**, and if you desaturate by 10%, it is **31.6364, 16.9386, 2.3867**.

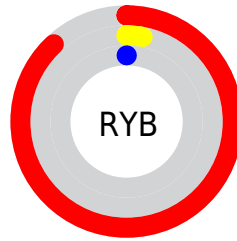
Distribution



Red (88%)

Green (3%)

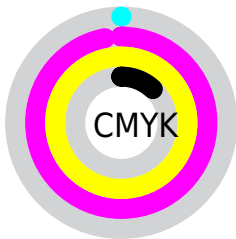
Blue (0%)



Red (88%)

Yellow (3%)

Blue (0%)

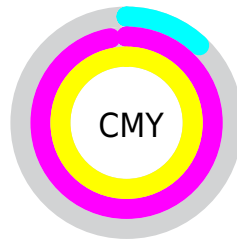


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (97%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1273, 16.1595, 1.4785 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 31.1273, 16.1595, 1.4785 by changing the saturation by 10% instead.

 31.1273, 16.1595,
1.4785


 31.1273, 16.1595,
1.4785


 298.9408,
230.2811, 113.6664


 20.8481, 9.6371,
0.2018


 60.8149, 36.8749,
7.5586


 13.1248, 5.1590,
0.0000


 80.9540, 51.8366,
13.3825

 7.5922, 2.3409,
0.0000


 105.1105, 70.3803,
21.6202

 3.8847, 0.7952,
0.0000

 133.6497, 92.8903,
32.6904

 1.6371, 0.0000,
0.0000

 166.9370,
119.7509, 47.0116


 0.4164, 0.0000,
0.0000


 205.3377,


 0.0000, 0.0000,


151.3467, 65.0023


0.0000


 249.2172,
188.0619, 87.0810


 31.1273, 16.1595,
1.4785

 31.1273, 16.1595,
1.4785


 31.1276, 16.1605,
1.4787

 31.6364, 16.9386,
2.3867

 32.6930, 18.5335,
4.3369

 34.4250, 21.1102,
7.6496

 36.9200, 24.7924,
12.5125

 40.2521, 29.6854,
19.0841

■ 44.4872, 35.8825,
27.5031

■ 49.6841, 43.4676,
37.8941

■ 55.8968, 52.5178,
50.3710

■ 63.1755, 63.1044,
65.0387

Harmonies

Analogous

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



37.1479, 16.1595, 10.6219



31.1273, 16.1595, 1.4785



21.4355, 16.1595, 0.0000

Triad

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



31.1273, 16.1595, 1.4785



4.6729, 16.1595, 6.1968



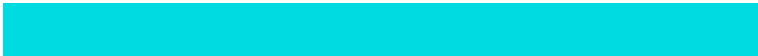
18.3934, 16.1595, 112.4555

Complementary

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



31.1273, 16.1595, 1.4785



38.6479, 55.5510, 79.9190

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.



10.5555, 16.1595, 105.8215



31.1273, 16.1595, 1.4785



4.3693, 16.1595, 27.0991

Square

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



31.1273, 16.1595, 1.4785



7.1550, 16.1595, 0.6325



6.0864, 16.1595, 67.0545



28.2202, 16.1595, 81.0272

Rectangle

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



31.1273, 16.1595, 1.4785



15.2877, 16.1595, 0.0000



6.0864, 16.1595, 67.0545



15.4308, 16.1595, 114.9988

Sweetspot

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



31.1276, 16.1605, 1.4787



65.8293, 57.5008, 50.0123



44.1355, 21.2412, 70.3546



13.4311, 11.3461, 9.3852



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.



31.1276, 16.1605, 1.4787



41.3268, 21.4335, 1.9589



37.3253, 28.5559, 3.5446



13.7415, 13.7690, 14.2402



17.9531, 9.3440, 0.8573



1.2567, 0.6723, 0.0635

Inverse Universe

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



38.6479, 55.5510, 79.9190



51.3127, 73.7455, 106.1376



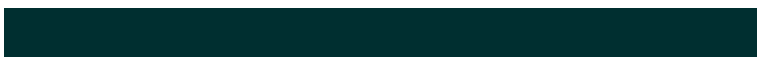
19.0325, 16.3202, 73.3805



14.0778, 15.4947, 17.6365



22.2878, 32.0452, 46.0590



1.5566, 2.2447, 3.1965

Previews

White Background



This preview shows how the XYZ color 31.1273, 16.1595, 1.4785 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 31.1273, 16.1595, 1.4785

Background



This preview shows how black text looks on a background with the XYZ color 31.1273, 16.1595, 1.4785.



This preview shows how white text looks on a background with the XYZ color 31.1273, 16.1595,

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

31.1273, 16.1595, 1.4785

Protanopia

15.1412, 16.7125, 3.5902

Deuteranopia

16.6903, 16.5648, 2.3176



Tritanopia

30.6996, 16.2243, 1.5136

Trichromacy



Original Color

31.1273, 16.1595, 1.4785

Protanomaly

17.7295, 12.8624, 2.1205

Deuteranomaly

19.4868, 13.3907, 1.5576

Tritanomaly

30.9258, 16.2179, 1.5004

Monochromacy



Original Color

31.1273, 16.1595, 1.4785

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.2830, 6.8154, 3.2562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1273, 16.1595, 1.4785 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(225, 7, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 7, 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(225, 7, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 7, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.1273, 16.1595, 1.4785 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(225, 7, 0) }
```


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

```
.border{ border-color:rgb(225, 7, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 7, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 7, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(225, 7, 0); box-shadow:4px  
4px 4px 4px rgb(225, 7, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1273, 16.1595, 1.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 7, 0) }
```

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

```
.background{ background-color: rgb(225, 7,  
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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