

Converting Colors

XYZ(31.1136, 16.4556, 1.9883)

Have a look what the booklet for
XYZ(31.1136, 16.4556, 1.9883)
contains.

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Color

**XYZ(31.1136, 16.4556,
1.9883)**

Conversions

Conversions Part 1

Format	Color
Hex	E0160F
RGB	224, 22, 15
RGB Percent	88%, 9%, 6%
CMY	0.1216, 0.9136, 0.9412
CMYK	0.00, 0.90, 0.93, 0.12
HSL	2°, 87%, 47%
HSV	2°, 93%, 88%
XYZ	31.1136, 16.4556, 1.9883
YIQ	81.6000, 122.6390, 40.6470

Conversions

Conversions Part 2

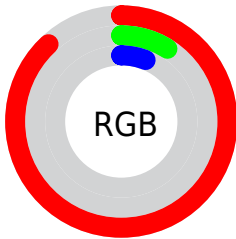
Format	Color
R_{YB}	224, 22, 15
Decimal	14685711
CIE Lab	47.57, 70.60, 56.93
CIE LCh	48, 90.694, 38.882
Yxy	16.4556, 0.6278, 0.3321
Android (android.graphics.Color)	4292875791 (0xFFE0160F)
YUV	81.6000, -32.8338, 124.8848
Hunter-Lab	40.5655, 65.9193, 25.4898

Details

The XYZ color **31.1136, 16.4556, 1.9883** 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 **38.4563, 55.0931, 79.1276**, and the grayscale version is **7.9895, 8.4056, 9.1537**.

A 20% lighter version of the original color is **46.3770, 30.0074, 8.3487**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **30.8220, 16.0107, 1.4659**, and if you desaturate by 10%, it is **31.9692, 17.7607, 3.5266**.

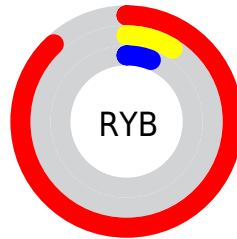
Distribution



Red (88%)

Green (9%)

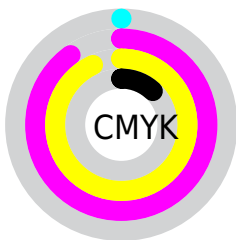
Blue (6%)



Red (88%)

Yellow (9%)

Blue (6%)

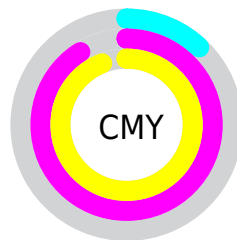


Cyan (0%)

Magenta (90%)

Yellow (93%)

Black (12%)



Cyan (12%)


Magenta (91%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1136, 16.4556, 1.9883 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 31.1136, 16.4556, 1.9883 by changing the saturation by 10% instead.


 31.1136, 16.4556,
1.9883


 31.1136, 16.4556,
1.9883

298.8789,
232.0153, 122.1948


 20.8376, 9.8471,
0.5481


 60.7935, 37.3874,
9.0088


 13.1171, 5.2977,
0.0000


 80.9281, 52.4794,
15.4831


 7.5868, 2.4230,
0.0000


 105.0797, 71.1681,
24.4916

 3.8813, 0.8377,
0.0000

 133.6135, 93.8379,
36.4528

 1.6352, 0.0000,
0.0000

 166.8950,
120.8731, 51.7851

 0.4152, 0.0000,
0.0000


 205.2895,


 0.0000, 0.0000,


152.6582, 70.9072


0.0000


 249.1623,
189.5774, 94.2376


 31.1136, 16.4556,
1.9883


 31.1136, 16.4556,
1.9883


 30.8220, 16.0107,
1.4659

 31.9692, 17.7607,
3.5266

 33.4595, 19.9892,
6.3421

 35.6766, 23.2710,
10.6341

 38.6973, 27.7145,
16.5670

 42.5887, 33.4148,
24.2838

■ 47.4106, 40.4570,
33.9117

■ 53.2178, 48.9188,
45.5665

■ 60.0608, 58.8721,
59.3547

■ 67.9865, 70.3839,
75.3753

Harmonies

Analogous

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



36.5512, 16.4556, 11.8894



31.1136, 16.4556, 1.9883



21.9301, 16.4556, 0.0000

Triad

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



31.1136, 16.4556, 1.9883



5.1654, 16.4556, 6.1947



18.1634, 16.4556, 107.5882

Complementary

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



31.1136, 16.4556, 1.9883



38.4563, 55.0931, 79.1276

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.



10.6856, 16.4556, 99.6837



31.1136, 16.4556, 1.9883



4.7668, 16.4556, 25.7004

Square

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



31.1136, 16.4556, 1.9883



7.7766, 16.4556, 0.7978



6.3980, 16.4556, 62.8544



27.5560, 16.4556, 79.6369

Rectangle

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



31.1136, 16.4556, 1.9883



15.9455, 16.4556, 0.0000



6.3980, 16.4556, 62.8544



15.3396, 16.4556, 109.3319

Sweetspot

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



31.1139, 16.4566, 1.9885



67.4091, 59.8225, 53.1219



43.4397, 21.2003, 67.4704



13.7298, 11.7861, 9.9697



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.



31.1139, 16.4566, 1.9885



41.3331, 21.4462, 1.9610



38.3471, 30.9230, 4.3996



13.7440, 13.7740, 14.2410



17.9574, 9.3528, 0.8588



1.2579, 0.6748, 0.0639

Inverse Universe

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



38.4563, 55.0931, 79.1276



51.1344, 73.3889, 106.0781



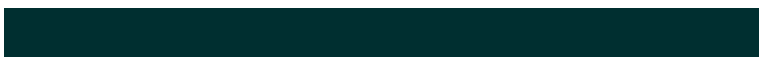
19.5046, 17.1897, 72.8104



14.0750, 15.4891, 17.6355



22.2122, 31.8939, 46.0338



1.5522, 2.2358, 3.1950

Previews

White Background



This preview shows how the XYZ color 31.1136, 16.4556, 1.9883 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 31.1136, 16.4556, 1.9883 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 31.1136, 16.4556, 1.9883

Background



This preview shows how black text looks on a background with the XYZ color 31.1136, 16.4556, 1.9883.



This preview shows how white text looks on a background with the XYZ color 31.1136, 16.4556,

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

31.1136, 16.4556, 1.9883

Protanopia

15.2228, 16.7452, 4.0199

Deuteranopia

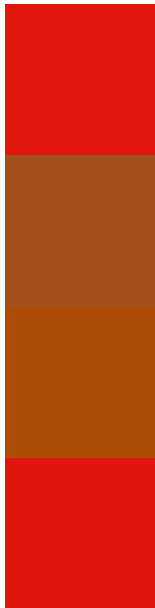
16.8642, 16.6544, 2.3258



Tritanopia

31.1000, 16.4502, 1.9168

Trichromacy



Original Color

31.1136, 16.4556, 1.9883

Protanomaly

18.2563, 13.7552, 2.7914

Deuteranomaly

19.9149, 14.2029, 1.8354

Tritanomaly

31.1066, 16.4528, 1.9517

Monochromacy



Original Color

31.1136, 16.4556, 1.9883

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

12.2111, 8.6055, 5.0204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1136, 16.4556, 1.9883 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(224, 22, 15)` looks like.

```
.text, #text, p{  
    color:rgb(224, 22, 15)  
}
```

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(224, 22, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 22, 15) }
```

Border

The CSS property to change the border of an element to XYZ 31.1136, 16.4556, 1.9883 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(224, 22, 15) }
```


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

```
.border{ border-color:rgb(224, 22, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 22, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 22, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 22, 15);  
box-shadow:4px 4px 4px 4px rgb(224, 22,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1136, 16.4556, 1.9883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 22, 15) }
```

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

```
.background{ background-color: rgb(224, 22,  
15) }
```

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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