

Converting Colors

XYZ(31.9541, 16.4393, 3.0156)

Have a look what the booklet for
XYZ(31.9541, 16.4393, 3.0156)
contains.

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Color

**XYZ(31.9673, 16.4464,
3.0030)**

Conversions

Conversions Part 1

Format	Color
Hex	E30022
RGB	227, 0, 34
RGB Percent	89%, 0%, 13%
CMY	0.1098, 0.9998, 0.8667
CMYK	0.00, 1.00, 0.85, 0.11
HSL	351°, 100%, 45%
HSV	351°, 100%, 89%
XYZ	31.9673, 16.4464, 3.0030
YIQ	71.7490, 124.3780, 58.6980

Conversions

Conversions Part 2

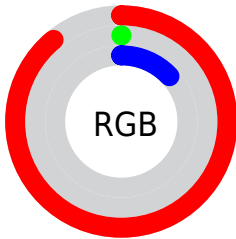
Format	Color
RYB	227, 0, 34
Decimal	14876706
CIELab	47.55, 73.77, 49.15
CIELCh	48, 88.647, 33.673
Yxy	16.4464, 0.6217, 0.3199
Android (android.graphics.Color)	4293066786 (0xFFE30022)
YUV	71.7490, -18.6103, 136.1551
Hunter-Lab	40.5542, 69.7350, 23.9975

Details

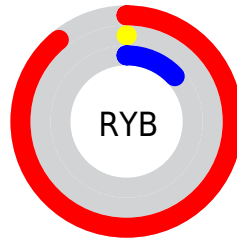
The XYZ color **31.9673, 16.4464, 3.0030** is a dark color, and the websafe version is hex **FF3333**, and the color name is **cadmium red**. The color can be described as dark washed red. A complement of this color would be **37.1012, 58.7907, 59.8756**, and the grayscale version is **6.1376, 6.4572, 7.0319**.

A 20% lighter version of the original color is **46.4663, 29.3363, 10.9980**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **31.9664, 16.4460, 2.9995**, and if you desaturate by 10%, it is **32.6295, 17.1937, 5.0040**.

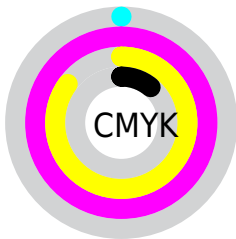
Distribution



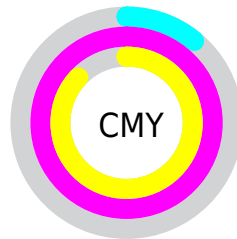
- Red (89%)
- Green (0%)
- Blue (13%)



- Red (89%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9673, 16.4464, 3.0030 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 31.9673, 16.4464, 3.0030 by changing the saturation by 10% instead.


 31.9673, 16.4464,
3.0030


 31.9673, 16.4464,
3.0030


302.7182,
231.9616, 136.3988

 21.4919, 9.8406,
1.0962


 62.1254, 37.3715,
11.6358


 13.5986, 5.2934,
0.0000


 82.5388, 52.4595,
19.1989

 7.9218, 2.4204,
0.0000


 106.9956, 71.1437,
29.4845

 4.0964, 0.8364,
0.0000

 135.8612, 93.8085,
42.9111

 1.7568, 0.0000,
0.0000

 169.5009,
120.8383, 59.8973


 0.4914, 0.0000,
0.0000


 208.2800,


 0.0000, 0.0000,


152.6175, 80.8617


0.0000


 252.5640,
189.5305, 106.2226

 31.9673, 16.4464,
3.0030


 31.9673, 16.4464,
3.0030


 31.9664, 16.4460,
2.9995

 32.6295, 17.1937,
5.0040

 33.8238, 18.7183,
8.0660

 35.6828, 21.2549,
12.3275

 38.2883, 24.9406,
17.8982

 41.7100, 29.8909,
24.8749

■ 46.0095, 36.2073,
33.3453

■ 51.2425, 43.9809,
43.3897

■ 57.4598, 53.2949,
55.0827

■ 64.7088, 64.2264,
68.4942

Harmonies

Analogous

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



36.1929, 16.4464, 15.2650



31.9673, 16.4464, 3.0030



23.3741, 16.4464, 0.1775

Triad

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



31.9673, 16.4464, 3.0030



5.5940, 16.4464, 4.7211



16.6242, 16.4464, 105.7172

Complementary

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



31.9673, 16.4464, 3.0030



37.1012, 58.7907, 59.8756

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.



9.8213, 16.4464, 91.9308



31.9673, 16.4464, 3.0030



4.8518, 16.4464, 20.8382

Square

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



31.9673, 16.4464, 3.0030



8.6372, 16.4464, 0.5745



6.0985, 16.4464, 54.4288



25.6456, 16.4464, 83.8920

Rectangle

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



31.9673, 16.4464, 3.0030



17.3646, 16.4464, 0.0000



6.0985, 16.4464, 54.4288



14.0183, 16.4464, 105.1451

Sweetspot

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



31.9677, 16.4475, 3.0032



66.5481, 57.0153, 56.1800



35.8471, 16.8791, 74.0411



13.5951, 11.2373, 10.7864



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.



31.9677, 16.4475, 3.0032



41.5922, 21.4009, 3.7844



34.5097, 21.9931, 2.4278



14.4644, 14.4030, 15.3800



18.6694, 9.6020, 1.8882



1.4070, 0.7205, 0.2840

Inverse Universe

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



31.9677, 16.4475, 3.0032



41.5922, 21.4009, 3.7844



24.3881, 26.5911, 76.5197



14.4644, 14.4030, 15.3800



18.6694, 9.6020, 1.8882



1.4070, 0.7205, 0.2840

Previews

White Background



This preview shows how the XYZ color 31.9673, 16.4464, 3.0030 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 31.9673, 16.4464, 3.0030 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 31.9673, 16.4464, 3.0030

Background



This preview shows how black text looks on a background with the XYZ color 31.9673, 16.4464, 3.0030.



This preview shows how white text looks on a background with the XYZ color 31.9673, 16.4464,

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

31.9673, 16.4464, 3.0030

Protanopia

15.5969, 17.0590, 6.2121

Deuteranopia

17.1457, 16.9570, 2.3694



Tritanopia

31.6142, 16.6691, 1.5512

Trichromacy



Original Color

31.9673, 16.4464, 3.0030



Protanomaly

18.0203, 12.7650, 4.3104



Deuteranomaly

19.8737, 13.3967, 1.8862



Tritanomaly

31.5743, 16.4831, 1.8652

Monochromacy



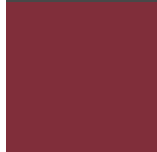
Original Color

31.9673, 16.4464, 3.0030



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.6428, 6.8487, 4.7640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9673, 16.4464, 3.0030 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, 0, 34)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 34)  
}
```

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, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 34) }
```

Border

The CSS property to change the border of an element to XYZ 31.9673, 16.4464, 3.0030 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, 0, 34) }
```


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

```
.border{ border-color:rgb(227, 0, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 0, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 34)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.9673, 16.4464, 3.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 34) }
```

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

```
.background{ background-color: rgb(227, 0,  
34) }
```

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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