

Converting Colors

XYZ(31.8864, 16.4122, 2.6592)

Have a look what the booklet for
XYZ(31.8864, 16.4122, 2.6592)
contains.

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Color

**XYZ(31.9003, 16.4196,
2.6504)**

Conversions

Conversions Part 1

Format	Color
Hex	E3001D
RGB	227, 0, 29
RGB Percent	89%, 0%, 11%
CMY	0.1098, 0.9998, 0.8863
CMYK	0.00, 1.00, 0.87, 0.11
HSL	352°, 100%, 45%
HSV	352°, 100%, 89%
XYZ	31.9003, 16.4196, 2.6504
YIQ	71.1790, 125.9830, 57.1430

Conversions

Conversions Part 2

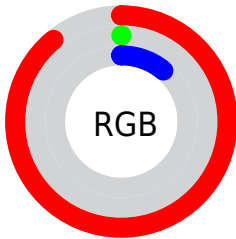
Format	Color
RYB	227, 0, 29
Decimal	14876701
CIELab	47.52, 73.68, 51.56
CIELCh	48, 89.926, 34.981
Yxy	16.4196, 0.6259, 0.3221
Android (android.graphics.Color)	4293066781 (0xFFE3001D)
YUV	71.1790, -20.7942, 136.6550
Hunter-Lab	40.5211, 69.6125, 24.4867

Details

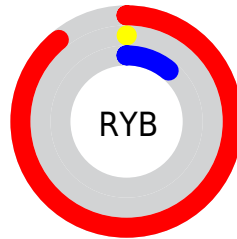
The XYZ color **31.9003, 16.4196, 2.6504** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **37.6687, 59.0177, 62.8645**, and the grayscale version is **6.0438, 6.3585, 6.9244**.

A 20% lighter version of the original color is **46.2856, 29.2640, 10.0465**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **31.8995, 16.4192, 2.6473**, and if you desaturate by 10%, it is **32.5301, 17.1540, 4.4808**.

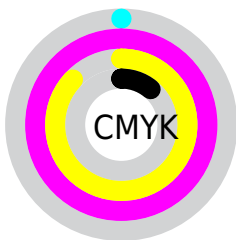
Distribution



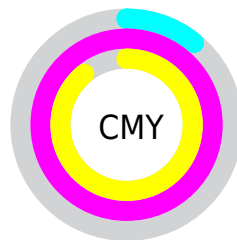
- Red (89%)
- Green (0%)
- Blue (11%)



- Red (89%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9003, 16.4196, 2.6504 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 31.9003, 16.4196, 2.6504 by changing the saturation by 10% instead.

 31.9003, 16.4196,
2.6504

 31.9003, 16.4196,
2.6504


302.4182,
231.8051, 131.7753

 21.4405, 9.8216,
0.9183


 62.0210, 37.3251,
10.7529


 13.5607, 5.2808,
0.0000


 82.4127, 52.4014,
17.9610


 7.8954, 2.4129,
0.0000

 106.8457, 71.0726,
27.8319

 4.0793, 0.8325,
0.0000

 135.6854, 93.7230,
40.7840

 1.7471, 0.0000,
0.0000

 169.2971,
120.7370, 57.2358


 0.4855, 0.0000,
0.0000


 208.0462,


 0.0000, 0.0000,


152.4991, 77.6059


0.0000


 252.2982,
189.3937, 102.3129


 31.9003, 16.4196,
2.6504


 31.9003, 16.4196,
2.6504


 31.8995, 16.4192,
2.6473

 32.5301, 17.1540,
4.4808

 33.6962, 18.6673,
7.3942

 35.5335, 21.1952,
11.5412

 38.1254, 24.8755,
17.0407

 41.5434, 29.8243,
23.9975

■ 45.8501, 36.1436,
32.5058

■ 51.1024, 43.9249,
42.6519

■ 57.3522, 53.2519,
54.5158

■ 64.6476, 64.2020,
68.1721

Harmonies

Analogous

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



36.4848, 16.4196, 14.3204



31.9003, 16.4196, 2.6504



23.0548, 16.4196, 0.0310

Triad

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



31.9003, 16.4196, 2.6504



5.4076, 16.4196, 4.9722



16.9800, 16.4196, 107.4257

Complementary

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



31.9003, 16.4196, 2.6504



37.6687, 59.0177, 62.8645

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.



9.9645, 16.4196, 94.8437



31.9003, 16.4196, 2.6504



4.7529, 16.4196, 21.9812

Square

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



31.9003, 16.4196, 2.6504



8.3462, 16.4196, 0.5769



6.0935, 16.4196, 56.8770



26.1865, 16.4196, 83.6811

Rectangle

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



31.9003, 16.4196, 2.6504



16.9906, 16.4196, 0.0000



6.0935, 16.4196, 56.8770



14.2994, 16.4196, 107.4174

Sweetspot

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



31.9006, 16.4207, 2.6506



66.3649, 56.9421, 55.2156



36.8235, 17.3824, 74.0867



13.5532, 11.2205, 10.5659



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.



31.9006, 16.4207, 2.6506



41.5079, 21.3672, 3.3407



34.7924, 22.5585, 2.5220



14.4514, 14.3978, 15.3116



18.6274, 9.5852, 1.6668



1.4009, 0.7181, 0.2516

Inverse Universe

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



31.9006, 16.4207, 2.6506



41.5079, 21.3672, 3.3407



23.8066, 25.4282, 76.3258



14.4514, 14.3978, 15.3116



18.6274, 9.5852, 1.6668



1.4009, 0.7181, 0.2516

Previews

White Background



This preview shows how the XYZ color 31.9003, 16.4196, 2.6504 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 31.9003, 16.4196, 2.6504 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 31.9003, 16.4196, 2.6504

Background



This preview shows how black text looks on a background with the XYZ color 31.9003, 16.4196, 2.6504.



This preview shows how white text looks on a background with the XYZ color 31.9003, 16.4196,

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

31.9003, 16.4196, 2.6504

Protanopia

15.4589, 17.0038, 5.4849

Deuteranopia

17.1457, 16.9570, 2.3694



Tritanopia

31.6322, 16.7051, 1.5572

Trichromacy



Original Color

31.9003, 16.4196, 2.6504

Protanomaly

17.9047, 12.7188, 3.7018

Deuteranomaly

19.8677, 13.3944, 1.8548

Tritanomaly

31.5684, 16.4808, 1.8339

Monochromacy



Original Color

31.9003, 16.4196, 2.6504

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.5543, 6.7515, 4.4883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9003, 16.4196, 2.6504 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 29) }
```

Border

The CSS property to change the border of an element to XYZ 31.9003, 16.4196, 2.6504 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, 29) }
```


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

```
.border{ border-color:rgb(227, 0, 29) }
```

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, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 29)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.9003, 16.4196, 2.6504 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, 29) }
```

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

```
.background{ background-color: rgb(227, 0,  
29) }
```

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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