

Converting Colors

XYZ(31.8651, 16.4024, 2.5297)

Have a look what the booklet for
XYZ(31.8651, 16.4024, 2.5297)
contains.

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Color

**XYZ(31.8764, 16.4100,
2.5243)**

Conversions

Conversions Part 1

Format	Color
Hex	E3001B
RGB	227, 0, 27
RGB Percent	89%, 0%, 11%
CMY	0.1098, 0.9998, 0.8941
CMYK	0.00, 1.00, 0.88, 0.11
HSL	353°, 100%, 45%
HSV	353°, 100%, 89%
XYZ	31.8764, 16.4100, 2.5243
YIQ	70.9510, 126.6250, 56.5210

Conversions

Conversions Part 2

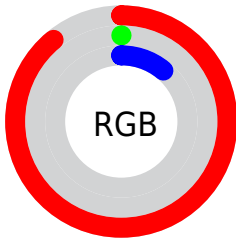
Format	Color
RYB	227, 0, 27
Decimal	14876699
CIELab	47.51, 73.65, 52.47
CIElCh	48, 90.425, 35.467
Yxy	16.4100, 0.6274, 0.3230
Android (android.graphics.Color)	4293066779 (0xFFE3001B)
YUV	70.9510, -21.6678, 136.8550
Hunter-Lab	40.5093, 69.5690, 24.6619

Details

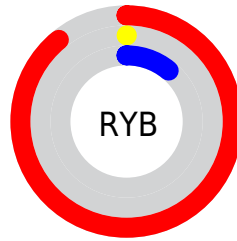
The XYZ color **31.8764, 16.4100, 2.5243** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **37.9008, 59.1107, 64.0867**, and the grayscale version is **6.0062, 6.3190, 6.8813**.

A 20% lighter version of the original color is **46.2171, 29.2366, 9.6859**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **31.8756, 16.4097, 2.5215**, and if you desaturate by 10%, it is **32.4930, 17.1391, 4.2855**.

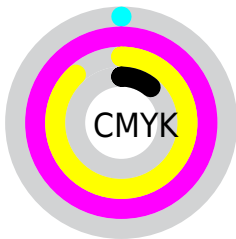
Distribution



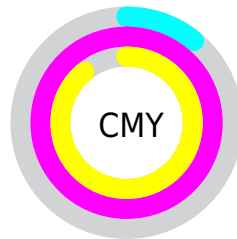
- Red (89%)
- Green (0%)
- Blue (11%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (11%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8764, 16.4100, 2.5243 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 31.8764, 16.4100, 2.5243 by changing the saturation by 10% instead.

 31.8764, 16.4100,
2.5243


 31.8764, 16.4100,
2.5243


302.3111,
231.7490, 130.0500


 21.4222, 9.8147,
0.8530


 61.9838, 37.3085,
10.4302


 13.5472, 5.2763,
0.0000


 82.3677, 52.3806,
17.5060

 7.8860, 2.4103,
0.0000


 106.7922, 71.0471,
27.2218

 4.0733, 0.8312,
0.0000

 135.6226, 93.6923,
39.9962

 1.7437, 0.0000,
0.0000

 169.2244,
120.7007, 56.2477


 0.4834, 0.0000,
0.0000


 207.9628,


 0.0000, 0.0000,


152.4567, 76.3948


0.0000


 252.2033,
189.3447, 100.8561


 31.8764, 16.4100,
2.5243


 31.8764, 16.4100,
2.5243

 31.8756, 16.4097,
2.5215

 32.4930, 17.1391,
4.2855

 33.6475, 18.6476,
7.1377

 35.4756, 21.1718,
11.2367

 38.0616, 24.8496,
16.7055

 41.4775, 29.7975,
23.6520

■ 45.7867, 36.1176,
32.1733

■ 51.0462, 43.9018,
42.3582

■ 57.3086, 53.2337,
54.2889

■ 64.6224, 64.1910,
68.0419

Harmonies

Analogous

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



36.5976, 16.4100, 13.9732



31.8764, 16.4100, 2.5243



22.9355, 16.4100, 0.0000

Triad

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



31.8764, 16.4100, 2.5243



5.3382, 16.4100, 5.0696



17.1167, 16.4100, 108.0844

Complementary

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



31.8764, 16.4100, 2.5243



37.9008, 59.1107, 64.0867

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.



10.0194, 16.4100, 95.9691



31.8764, 16.4100, 2.5243



4.7157, 16.4100, 22.4259

Square

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



31.8764, 16.4100, 2.5243



8.2378, 16.4100, 0.5778



6.0916, 16.4100, 57.8267



26.3946, 16.4100, 83.6061

Rectangle

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



31.8764, 16.4100, 2.5243



16.8509, 16.4100, 0.0000



6.0916, 16.4100, 57.8267



14.4073, 16.4100, 108.2935

Sweetspot

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



31.8767, 16.4111, 2.5245



66.2924, 56.9130, 54.8334



36.8235, 17.3824, 74.0869



13.5366, 11.2139, 10.4786



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.



31.8767, 16.4111, 2.5245



41.4779, 21.3552, 3.1829



34.7923, 22.5582, 2.5219



14.4463, 14.3957, 15.2844



18.6122, 9.5791, 1.5870



1.3984, 0.7171, 0.2386

Inverse Universe

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



31.8767, 16.4111, 2.5245



41.4779, 21.3552, 3.1829



23.8065, 25.4279, 76.3259



14.4463, 14.3957, 15.2844



18.6122, 9.5791, 1.5870



1.3984, 0.7171, 0.2386

Previews

White Background



This preview shows how the XYZ color 31.8764, 16.4100, 2.5243 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 31.8764, 16.4100, 2.5243

Background



This preview shows how black text looks on a background with the XYZ color 31.8764, 16.4100, 2.5243.



This preview shows how white text looks on a background with the XYZ color 31.8764, 16.4100,

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

31.8764, 16.4100, 2.5243

Protanopia

15.5459, 17.0559, 5.1621

Deuteranopia

17.1457, 16.9570, 2.3694



Tritanopia

31.6322, 16.7051, 1.5572

Trichromacy



Original Color

31.8764, 16.4100, 2.5243

Protanomaly

18.0754, 12.8108, 3.5275

Deuteranomaly

19.8621, 13.3921, 1.8252

Tritanomaly

31.5627, 16.4785, 1.8043

Monochromacy



Original Color

31.8764, 16.4100, 2.5243

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.5301, 6.7418, 4.3607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8764, 16.4100, 2.5243 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 27) }
```

Border

The CSS property to change the border of an element to XYZ 31.8764, 16.4100, 2.5243 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, 27) }
```


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

```
.border{ border-color:rgb(227, 0, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.8764, 16.4100, 2.5243 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, 27) }
```

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

```
.background{ background-color: rgb(227, 0,  
27) }
```

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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