

Converting Colors

XYZ(31.2042, 16.0480, 3.2314)

Have a look what the booklet for
XYZ(31.2042, 16.0480, 3.2314)
contains.

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Color

**XYZ(31.0744, 15.9809,
3.1971)**

Conversions

Conversions Part 1

Format	Color
Hex	E00025
RGB	224, 0, 37
RGB Percent	88%, 0%, 15%
CMY	0.1216, 0.9998, 0.8549
CMYK	0.00, 1.00, 0.83, 0.12
HSL	350°, 100%, 44%
HSV	350°, 100%, 88%
XYZ	31.0744, 15.9809, 3.1971
YIQ	71.1940, 121.6270, 58.9950

Conversions

Conversions Part 2

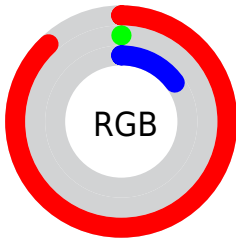
Format	Color
RYB	224, 0, 37
Decimal	14680101
CIELab	46.95, 73.12, 46.83
CIELCh	47, 86.828, 32.641
Yxy	15.9809, 0.6184, 0.3180
Android (android.graphics.Color)	4292870181 (0xFFE00025)
YUV	71.1940, -16.8576, 134.0109
Hunter-Lab	39.9761, 68.7941, 23.2415

Details

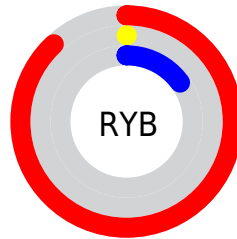
The XYZ color **31.0744, 15.9809, 3.1971** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **35.6315, 56.9014, 56.1488**, and the grayscale version is **6.0403, 6.3549, 6.9205**.

A 20% lighter version of the original color is **46.4575, 29.1969, 11.3706**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **31.0734, 15.9804, 3.1933**, and if you desaturate by 10%, it is **31.7425, 16.7212, 5.2582**.

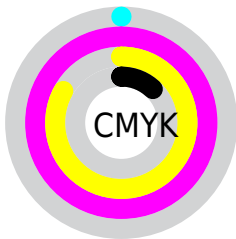
Distribution



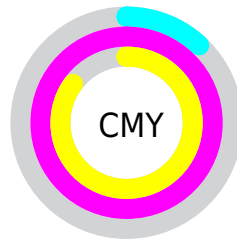
- Red (88%)
- Green (0%)
- Blue (15%)



- Red (88%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0744, 15.9809, 3.1971 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 31.0744, 15.9809, 3.1971 by changing the saturation by 10% instead.


 31.0744, 15.9809,
3.1971


 31.0744, 15.9809,
3.1971


298.7017,
229.2290, 138.8327


 20.8076, 9.5106,
1.1961


 60.7322, 36.5650,
12.1110


 13.0951, 5.0757,
0.0000


 80.8540, 51.4477,
19.8611

 7.5715, 2.2918,
0.0000


 104.9914, 69.9033,
30.3646

 3.8715, 0.7693,
0.0000

 133.5100, 92.3162,
44.0401

 1.6297, 0.0000,
0.0000

 166.7749,
119.0709, 61.3061

 0.4116, 0.0000,
0.0000


 205.1516,


 0.0000, 0.0000,


150.5516, 82.5812


0.0000


 249.0054,
187.1428, 108.2839


 31.0744, 15.9809,
3.1971


 31.0744, 15.9809,
3.1971


 31.0734, 15.9804,
3.1933

 31.7425, 16.7212,
5.2582

 32.9229, 18.2128,
8.3313

 34.7434, 20.6841,
12.5437

 37.2818, 24.2672,
17.9953

 40.6048, 29.0733,
24.7751

■ 44.7712, 35.2004,
32.9636

■ 49.8341, 42.7364,
42.6348

■ 55.8420, 51.7616,
53.8575

■ 62.8403, 62.3503,
66.6961

Harmonies

Analogous

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



34.9084, 15.9809, 15.5466



31.0744, 15.9809, 3.1971



22.9247, 15.9809, 0.2679

Triad

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



31.0744, 15.9809, 3.1971



5.5706, 15.9809, 4.3996



15.8711, 15.9809, 101.3376

Complementary

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



31.0744, 15.9809, 3.1971



35.6315, 56.9014, 56.1488

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.



9.4251, 15.9809, 87.0856



31.0744, 15.9809, 3.1971



4.7831, 15.9809, 19.3962

Square

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



31.0744, 15.9809, 3.1971



8.6037, 15.9809, 0.5476



5.9219, 15.9809, 51.0427



24.4900, 15.9809, 81.5768

Rectangle

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



31.0744, 15.9809, 3.1971



17.1348, 15.9809, 0.0000



5.9219, 15.9809, 51.0427



13.3970, 15.9809, 100.3706

Sweetspot

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



31.0747, 15.9819, 3.1973



66.6773, 57.0670, 56.8607



33.8691, 15.9068, 71.8056



13.6247, 11.2491, 10.9424



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.



31.0747, 15.9819, 3.1973



41.6592, 21.4277, 4.1373



33.2365, 20.8392, 2.2722



13.7990, 13.7372, 14.7118



18.1153, 9.3131, 2.0070



1.2840, 0.6569, 0.2886

Inverse Universe

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



31.0747, 15.9819, 3.1973



41.6592, 21.4277, 4.1373



24.2582, 26.9883, 74.4511



13.7990, 13.7372, 14.7118



18.1153, 9.3131, 2.0070



1.2840, 0.6569, 0.2886

Previews

White Background



This preview shows how the XYZ color 31.0744, 15.9809, 3.1971 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 31.0744, 15.9809, 3.1971

Background



This preview shows how black text looks on a background with the XYZ color 31.0744, 15.9809, 3.1971.



This preview shows how white text looks on a background with the XYZ color 31.0744, 15.9809,

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

31.0744, 15.9809, 3.1971

Protanopia

15.1520, 16.4860, 6.5212

Deuteranopia

16.6458, 16.3792, 2.6008



Tritanopia

30.6816, 16.1883, 1.5076

Trichromacy



Original Color

31.0744, 15.9809, 3.1971

Protanomaly

17.6128, 12.4508, 4.6069

Deuteranomaly

19.2066, 12.9554, 2.1502

Tritanomaly

30.6480, 16.0049, 1.8547

Monochromacy



Original Color

31.0744, 15.9809, 3.1971

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.4802, 6.7046, 4.8794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0744, 15.9809, 3.1971 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, 0, 37)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 37)  
}
```

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, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 37) }
```

Border

The CSS property to change the border of an element to XYZ 31.0744, 15.9809, 3.1971 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, 0, 37) }
```


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

```
.border{ border-color:rgb(224, 0, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.0744, 15.9809, 3.1971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 37) }
```

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

```
.background{ background-color: rgb(224, 0,  
37) }
```

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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