

Converting Colors

XYZ(31.2176, 16.0525, 3.3034)

Have a look what the booklet for
XYZ(31.2176, 16.0525, 3.3034)
contains.

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Color

**XYZ(31.0903, 15.9872,
3.2809)**

Conversions

Conversions Part 1

Format	Color
Hex	E00026
RGB	224, 0, 38
RGB Percent	88%, 0%, 15%
CMY	0.1216, 0.9998, 0.8510
CMYK	0.00, 1.00, 0.83, 0.12
HSL	350°, 100%, 44%
HSV	350°, 100%, 88%
XYZ	31.0903, 15.9872, 3.2809
YIQ	71.3080, 121.3060, 59.3060

Conversions

Conversions Part 2

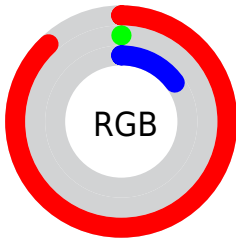
Format	Color
RYB	224, 0, 38
Decimal	14680102
CIELab	46.96, 73.14, 46.31
CIElCh	47, 86.568, 32.342
Yxy	15.9872, 0.6174, 0.3175
Android (android.graphics.Color)	4292870182 (0xFFE00026)
YUV	71.3080, -16.4208, 133.9109
Hunter-Lab	39.9840, 68.8240, 23.1237

Details

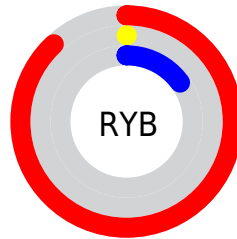
The XYZ color **31.0903, 15.9872, 3.2809** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **35.5244, 56.8585, 55.5849**, and the grayscale version is **6.0587, 6.3742, 6.9415**.

A 20% lighter version of the original color is **46.4964, 29.2124, 11.5754**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **31.0894, 15.9868, 3.2773**, and if you desaturate by 10%, it is **31.7645, 16.7299, 5.3744**.

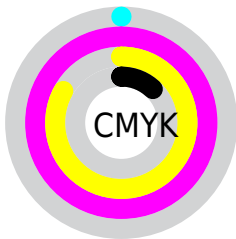
Distribution



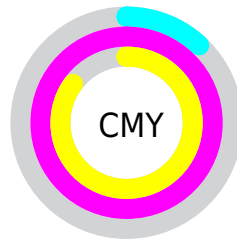
- Red (88%)
- Green (0%)
- Blue (15%)



- 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 31.0903, 15.9872, 3.2809 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 31.0903, 15.9872, 3.2809 by changing the saturation by 10% instead.


 31.0903, 15.9872,
3.2809


 31.0903, 15.9872,
3.2809

298.7736,
229.2662, 139.8616


 20.8198, 9.5151,
1.2398


 60.7571, 36.5760,
12.3140


 13.1040, 5.0787,
0.0117


 80.8841, 51.4614,
20.1432

 7.5777, 2.2935,
0.0000


 105.0272, 69.9202,
30.7387

 3.8755, 0.7703,
0.0000

 133.5520, 92.3365,
44.5192

 1.6319, 0.0000,
0.0000

 166.8236,
119.0949, 61.9032


 0.4131, 0.0000,
0.0000


 205.2075,


 0.0000, 0.0000,


150.5797, 83.3093


0.0000


 249.0691,
187.1753, 109.1559


 31.0903, 15.9872,
3.2809


 31.0903, 15.9872,
3.2809


 31.0894, 15.9868,
3.2773

 31.7645, 16.7299,
5.3744

 32.9501, 18.2235,
8.4749

 34.7743, 20.6962,
12.7076

 37.3149, 24.2799,
18.1710

 40.6382, 29.0860,
24.9525

■ 44.8026, 35.2122,
33.1314

■ 49.8612, 42.7463,
42.7808

■ 55.8624, 51.7687,
53.9684

■ 62.8512, 62.3534,
66.7578

Harmonies

Analogous

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



34.8486, 15.9872, 15.7601



31.0903, 15.9872, 3.2809



22.9945, 15.9872, 0.2996

Triad

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



31.0903, 15.9872, 3.2809



5.6115, 15.9872, 4.3486



15.7975, 15.9872, 100.9864

Complementary

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



31.0903, 15.9872, 3.2809



35.5244, 56.8585, 55.5849

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.



9.3953, 15.9872, 86.4894



31.0903, 15.9872, 3.2809



4.8046, 15.9872, 19.1656

Square

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



31.0903, 15.9872, 3.2809



8.6678, 15.9872, 0.5470



5.9230, 15.9872, 50.5457



24.3783, 15.9872, 81.6271

Rectangle

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



31.0903, 15.9872, 3.2809



17.2167, 15.9872, 0.0000



5.9230, 15.9872, 50.5457



13.3388, 15.9872, 99.9035

Sweetspot

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



31.0906, 15.9882, 3.2811



66.7151, 57.0821, 57.0596



32.9697, 15.4431, 71.7636



13.6334, 11.2526, 10.9880



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.



31.0906, 15.9882, 3.2811



41.6799, 21.4360, 4.2466



32.9917, 20.3497, 2.1905



13.8015, 13.7382, 14.7251



18.1252, 9.3171, 2.0590



1.2852, 0.6574, 0.2949

Inverse Universe

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



31.0906, 15.9882, 3.2811



41.6799, 21.4360, 4.2466



24.8598, 28.1915, 74.6517



13.8015, 13.7382, 14.7251



18.1252, 9.3171, 2.0590



1.2852, 0.6574, 0.2949

Previews

White Background



This preview shows how the XYZ color 31.0903, 15.9872, 3.2809 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 31.0903, 15.9872, 3.2809

Background



This preview shows how black text looks on a background with the XYZ color 31.0903, 15.9872, 3.2809.



This preview shows how white text looks on a background with the XYZ color 31.0903, 15.9872,

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

31.0903, 15.9872, 3.2809

Protanopia

15.2049, 16.5072, 6.7997

Deuteranopia

16.6716, 16.3895, 2.7367



Tritanopia

30.6816, 16.1883, 1.5076

Trichromacy



Original Color

31.0903, 15.9872, 3.2809

Protanomaly

17.6579, 12.4688, 4.8442

Deuteranomaly

19.2350, 12.9668, 2.2996

Tritanomaly

30.6546, 16.0075, 1.8895

Monochromacy



Original Color

31.0903, 15.9872, 3.2809

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 31.0903, 15.9872, 3.2809 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 38) }
```

Border

The CSS property to change the border of an element to XYZ 31.0903, 15.9872, 3.2809 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, 38) }
```


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

```
.border{ border-color:rgb(224, 0, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.0903, 15.9872, 3.2809 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, 38) }
```

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

```
.background{ background-color: rgb(224, 0,  
38) }
```

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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