

Converting Colors

XYZ(31.0021, 18.8036, 7.2281)

Have a look what the booklet for
XYZ(31.0021, 18.8036, 7.2281)
contains.

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Color

**XYZ(31.0446, 18.8666,
7.3156)**

Conversions

Conversions Part 1

Format	Color
Hex	D74343
RGB	215, 67, 67
RGB Percent	84%, 26%, 26%
CMY	0.1569, 0.7372, 0.7373
CMYK	0.00, 0.69, 0.69, 0.16
HSL	0°, 65%, 55%
HSV	0°, 69%, 84%
XYZ	31.0446, 18.8666, 7.3156
YIQ	111.2520, 88.2080, 31.3760

Conversions

Conversions Part 2

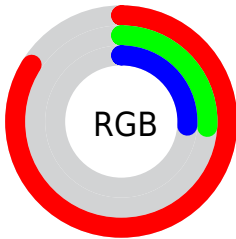
Format	Color
RYB	215, 67, 67
Decimal	14107459
CIELab	50.53, 57.57, 33.40
CIElCh	51, 66.556, 30.123
Yxy	18.8666, 0.5425, 0.3297
Android (android.graphics.Color)	4292297539 (0xFFD74343)
YUV	111.2520, -21.8162, 90.9870
Hunter-Lab	43.4357, 51.5660, 20.4192

Details

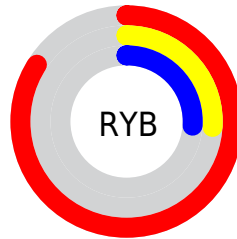
The XYZ color **31.0446, 18.8666, 7.3156** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **38.8785, 54.6957, 72.7978**, and the grayscale version is **15.2271, 16.0201, 17.4459**.

A 20% lighter version of the original color is **51.4175, 36.6637, 20.5865**, and **13.3017, 6.8383, 1.4830** is the 20% darker color. If you saturate the color by 10%, you get **29.4655, 16.5563, 4.1762**, and if you desaturate by 10%, it is **33.3380, 22.2231, 11.8740**.

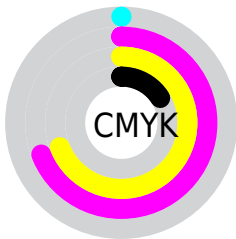
Distribution



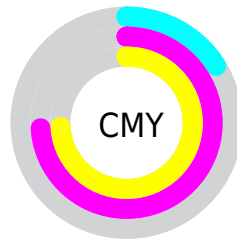
- Red (84%)
- Green (26%)
- Blue (26%)



- Red (84%)
- Yellow (26%)
- Blue (26%)



- Cyan (0%)
- Magenta (69%)
- Yellow (69%)
- Black (16%)





- Cyan (16%)
- Magenta (74%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0446, 18.8666, 7.3156 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 31.0446, 18.8666, 7.3156 by changing the saturation by 10% instead.


 31.0446, 18.8666,
7.3156

 31.0446, 18.8666,
7.3156


298.5669,
245.7113, 179.9902


 20.7848, 11.5739,
3.5788


 60.6856, 41.5086,
21.1289


 13.0784, 6.4543,
1.3973


 80.7976, 57.6266,
32.0426

 7.5599, 3.1232,
0.1396


 104.9243, 77.4553,
46.1856

 3.8641, 1.1964,
0.0000

 133.4312,
101.3790, 63.9765

 1.6255, 0.0588,
0.0000

 166.6835,
129.7820, 85.8339

 0.4090, 0.0000,
0.0000

205.0467,

 0.0000, 0.0000,

163.0488, 112.1763

0.0000

248.8860,
201.5638, 143.4222

■ 31.0446, 18.8666,
7.3156

■ 31.0446, 18.8666,
7.3156

■ 29.4655, 16.5563,
4.1762

■ 33.3380, 22.2231,
11.8740

■ 28.5159, 15.1667,
2.2887

■ 36.4154, 26.7262,
17.9914


■ 28.0651, 14.5070,
1.3928


■ 40.3393, 32.4680,
25.7919


■ 28.0243, 14.4473,
1.3116

■ 45.1659, 39.5308,
35.3870

■ 50.9465, 47.9893,
46.8784

 57.7283, 57.9131,
60.3606

 65.5558, 69.3668,
75.9214

 74.4704, 82.4114,
93.6436

 81.8342, 93.1870,
108.2815

Harmonies

Analogous

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



33.5396, 18.8666, 20.4661



31.0446, 18.8666, 7.3156



24.8986, 18.8666, 2.5202

Triad

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



31.0446, 18.8666, 7.3156



9.1385, 18.8666, 7.3824



17.9589, 18.8666, 81.0603

Complementary

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



31.0446, 18.8666, 7.3156



38.8785, 54.6957, 72.7978

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.



12.4039, 18.8666, 69.7628



31.0446, 18.8666, 7.3156



8.1202, 18.8666, 20.6191

Square

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



31.0446, 18.8666, 7.3156



12.3677, 18.8666, 2.5392



9.1556, 18.8666, 44.2202



24.9562, 18.8666, 69.5901

Rectangle

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



31.0446, 18.8666, 7.3156



20.1603, 18.8666, 1.6149



9.1556, 18.8666, 44.2202



15.8745, 18.8666, 79.7441

Sweetspot

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



31.0450, 18.8677, 7.3159



72.8281, 67.4832, 64.7234



42.2970, 23.3677, 66.5707



15.0701, 13.6860, 12.8234



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.



31.0450, 18.8677, 7.3159



42.5596, 23.1912, 4.5525



38.5622, 33.9020, 9.8216



12.4234, 12.4209, 12.9034



16.7620, 8.6413, 0.7845



1.0110, 0.5212, 0.0473

Inverse Universe

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



38.8785, 54.6957, 72.7978



54.8170, 79.2531, 107.0160



24.1054, 25.1494, 67.8734



12.7922, 14.1078, 15.9864



21.8691, 31.9999, 43.4771



1.3191, 1.9301, 2.6223

Previews

White Background



This preview shows how the XYZ color 31.0446, 18.8666, 7.3156 looks on a white 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

Black Background



This preview shows how the XYZ color 31.0446, 18.8666, 7.3156 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0446, 18.8666, 7.3156

Background



This preview shows how black text looks on a background with the XYZ color 31.0446, 18.8666, 7.3156.



This preview shows how white text looks on a background with the XYZ color 31.0446, 18.8666,

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

31.0446, 18.8666, 7.3156

Protanopia

17.7636, 19.1087, 11.7689

Deuteranopia

19.3146, 18.9668, 6.7806



Tritanopia

31.1370, 18.9036, 7.8020

Trichromacy



Original Color

31.0446, 18.8666, 7.3156

Protanomaly

20.7996, 17.4636, 9.8640

Deuteranomaly

22.4708, 17.9674, 6.8411

Tritanomaly

31.1057, 18.8911, 7.6371

Monochromacy



Original Color

31.0446, 18.8666, 7.3156

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.5522, 15.4002, 12.8212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0446, 18.8666, 7.3156 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(215, 67, 67)` looks like.

```
.text, #text, p{  
    color:rgb(215, 67, 67)  
}
```

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(215, 67, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 67, 67) }
```

Border

The CSS property to change the border of an element to XYZ 31.0446, 18.8666, 7.3156 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(215, 67, 67) }
```


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

```
.border{ border-color:rgb(215, 67, 67) }
```

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

Here you see how a box with a 4 pixel rgb(215, 67, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 67, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 67, 67);  
box-shadow:4px 4px 4px 4px rgb(215, 67,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0446, 18.8666, 7.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 67, 67) }
```

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

```
.background{ background-color: rgb(215, 67,  
67) }
```

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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