

Converting Colors

XYZ(29.3655, 11.9951, 6.1975)

Have a look what the booklet for
XYZ(29.3655, 11.9951, 6.1975)
contains.

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Color

**XYZ(31.4748, 16.1053,
6.9186)**

Conversions

Conversions Part 1

Format	Color
Hex	DF0044
RGB	223, 0, 68
RGB Percent	87%, 0%, 27%
CMY	0.1255, 0.9998, 0.7333
CMYK	0.00, 1.00, 0.70, 0.13
HSL	342°, 100%, 44%
HSV	342°, 100%, 87%
XYZ	31.4748, 16.1053, 6.9186
YIQ	74.4290, 111.0800, 68.4240

Conversions

Conversions Part 2

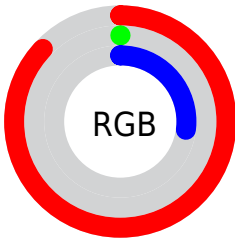
Format	Color
RYB	223, 0, 68
Decimal	14614596
CIELab	47.11, 73.89, 29.01
CIELCh	47, 79.376, 21.434
Yxy	16.1053, 0.5775, 0.2955
Android (android.graphics.Color)	4292804676 (0xFFDF0044)
YUV	74.4290, -3.1695, 130.2968
Hunter-Lab	40.1314, 69.7664, 17.8705

Details

The XYZ color **31.4748, 16.1053, 6.9186** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.3086, 55.1435, 39.9727**, and the grayscale version is **6.5817, 6.9245, 7.5407**.

A 20% lighter version of the original color is **48.1335, 30.0031, 19.7773**, and **14.4845, 7.4455, 1.6510** is the 20% darker color. If you saturate the color by 10%, you get **31.4736, 16.1048, 6.9131**, and if you desaturate by 10%, it is **32.3057, 16.9075, 9.8467**.

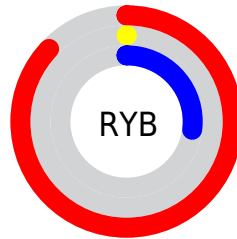
Distribution



Red (87%)

Green (0%)

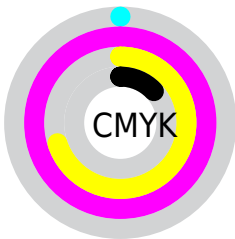
Blue (27%)



Red (87%)

Yellow (0%)

Blue (27%)

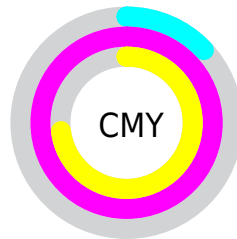


Cyan (0%)

Magenta (100%)

Yellow (70%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4748, 16.1053, 6.9186 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 31.4748, 16.1053, 6.9186 by changing the saturation by 10% instead.


 31.4748, 16.1053,
6.9186


 31.4748, 16.1053,
6.9186


300.5078,
229.9623, 176.5908


 21.1143, 9.5987,
3.3336


 61.3576, 36.7809,
20.3193

 13.3205, 5.1337,
1.2674


 81.6106, 51.7187,
30.9721

 7.7281, 2.3259,
0.0348


 105.8917, 70.2357,
44.8179

 3.9718, 0.7874,
0.0000

 134.5664, 92.7163,
62.2753

 1.6862, 0.0000,
0.0000

 168.0000,
119.5448, 83.7627

 0.4476, 0.0000,
0.0000

 206.5579,

 0.0000, 0.0000,

151.1057, 109.6987

0.0000

250.6053,
187.7834, 140.5019

■ 31.4748, 16.1053,
6.9186

■ 31.4748, 16.1053,
6.9186

■ 31.4736, 16.1048,
6.9131

■ 32.3057, 16.9075,
9.8467

■ 33.6088, 18.4390,
13.5939

■ 35.5018, 20.9228,
18.2397

■ 38.0546, 24.4863,
23.8446

■ 41.3266, 29.2374,
30.4629

■ 45.3704, 35.2704,
38.1443

■ 50.2332, 42.6703,
46.9352

■ 55.9586, 51.5147,
56.8790

■ 62.5869, 61.8753,
68.0166

Harmonies

Analogous

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



32.7483, 16.1053, 23.8956



31.4748, 16.1053, 6.9186



25.2728, 16.1053, 1.3908

Triad

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



31.4748, 16.1053, 6.9186



7.0391, 16.1053, 2.8425



13.3972, 16.1053, 89.4365

Complementary

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



31.4748, 16.1053, 6.9186



32.3086, 55.1435, 39.9727

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.



8.3815, 16.1053, 67.9082



31.4748, 16.1053, 6.9186



5.5129, 16.1053, 12.4184

Square

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



31.4748, 16.1053, 6.9186



10.9146, 16.1053, 0.5133



5.9157, 16.1053, 35.6294



20.7448, 16.1053, 83.0021

Rectangle

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



31.4748, 16.1053, 6.9186



19.9827, 16.1053, 0.4183



5.9157, 16.1053, 35.6294



11.4253, 16.1053, 84.8674

Sweetspot

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



31.4752, 16.1063, 6.9188



67.8989, 57.5557, 63.2935



26.3434, 12.0427, 70.7476



13.9067, 11.3619, 12.4276



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.



31.4752, 16.1063, 6.9188



42.6051, 21.8060, 9.1185



31.2218, 17.2686, 1.6890



13.8784, 13.7690, 15.1296



18.5503, 9.4871, 4.2977



1.3248, 0.6732, 0.5034

Inverse Universe

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



31.4752, 16.1063, 6.9188



42.6051, 21.8060, 9.1185



30.0734, 38.8352, 75.7225



13.8784, 13.7690, 15.1296



18.5503, 9.4871, 4.2977



1.3248, 0.6732, 0.5034

Previews

White Background



This preview shows how the XYZ color 31.4748, 16.1053, 6.9186 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 31.4748, 16.1053, 6.9186 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 31.4748, 16.1053, 6.9186

Background



This preview shows how black text looks on a background with the XYZ color 31.4748, 16.1053, 6.9186.

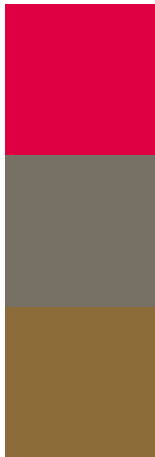


This preview shows how white text looks on a background with the XYZ color 31.4748, 16.1053,

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

31.4748, 16.1053, 6.9186

Protanopia

15.8618, 16.6718, 14.6939

Deuteranopia

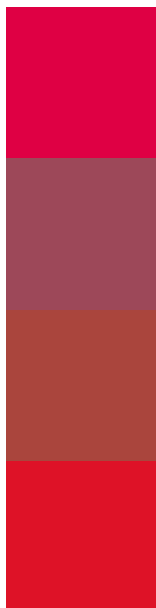
16.9163, 16.5960, 6.1827



Tritanopia

30.6941, 16.4220, 2.3626

Trichromacy



Original Color

31.4748, 16.1053, 6.9186

Protanomaly

18.0252, 12.5241, 10.9186

Deuteranomaly

19.5480, 13.1392, 5.9207

Tritanomaly

30.7067, 16.1087, 3.4103

Monochromacy



Original Color

31.4748, 16.1053, 6.9186

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.0883, 7.0901, 6.9150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4748, 16.1053, 6.9186 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(223, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 68)  
}
```

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(223, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 31.4748, 16.1053, 6.9186 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(223, 0, 68) }
```


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

```
.border{ border-color:rgb(223, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(223, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.4748, 16.1053, 6.9186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 68) }
```

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

```
.background{ background-color: rgb(223, 0,  
68) }
```

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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