

Converting Colors

XYZ(30.8978, 17.5378, 2.3851)

Have a look what the booklet for
XYZ(30.8978, 17.5378, 2.3851)
contains.

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Color

**XYZ(31.0346, 17.6158,
2.3806)**

Conversions

Conversions Part 1

Format	Color
Hex	DD3113
RGB	221, 49, 19
RGB Percent	87%, 19%, 7%
CMY	0.1333, 0.8078, 0.9255
CMYK	0.00, 0.78, 0.91, 0.13
HSL	9°, 84%, 47%
HSV	9°, 91%, 87%
XYZ	31.0346, 17.6158, 2.3806
YIQ	97.0080, 112.1420, 27.1340

Conversions

Conversions Part 2

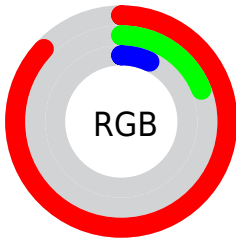
Format	Color
R_{YB}	221, 54, 19
Decimal	14496019
CIE Lab	49.03, 64.01, 56.19
CIE LCh	49, 85.177, 41.276
Yxy	17.6158, 0.6082, 0.3452
Android (android.graphics.Color)	4292686099 (0xFFDD3113)
YUV	97.0080, -38.4579, 108.7410
Hunter-Lab	41.9712, 58.5381, 26.0169

Details

The XYZ color **31.0346, 17.6158, 2.3806** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **31.9473, 42.6143, 74.9475**, and the grayscale version is **11.4381, 12.0338, 13.1048**.

A 20% lighter version of the original color is **47.8901, 32.8415, 9.4452**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.3578, 16.4506, 1.5753**, and if you desaturate by 10%, it is **32.2774, 19.6466, 4.1981**.

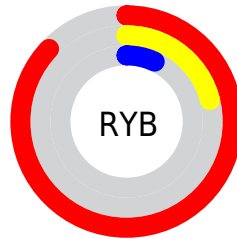
Distribution



Red (87%)

Green (19%)

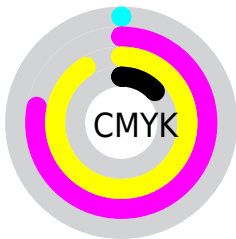
Blue (7%)



Red (87%)

Yellow (21%)

Blue (7%)

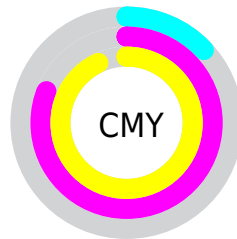


Cyan (0%)

Magenta (78%)

Yellow (91%)

Black (13%)



Cyan (13%)


Magenta (81%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0346, 17.6158, 2.3806 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 31.0346, 17.6158, 2.3806 by changing the saturation by 10% instead.

 31.0346, 17.6158,
2.3806


 31.0346, 17.6158,
2.3806


298.5217,
238.6965, 128.0320


 20.7772, 10.6745,
0.7759


 60.6700, 39.3816,
10.0574


 13.0727, 5.8484,
0.0000


 80.7787, 54.9748,
16.9786

 7.5560, 2.7531,
0.0000


 104.9018, 74.2209,
26.5129

 3.8616, 1.0042,
0.0000

 133.4048, 97.5041,
39.0791

 1.6241, 0.0000,
0.0000

 166.6529,
125.2088, 55.0955

 0.4081, 0.0000,
0.0000


 205.0115,


 0.0000, 0.0000,


157.7196, 74.9808


0.0000


 248.8460,
195.4207, 99.1534


 31.0346, 17.6158,
2.3806


 31.0346, 17.6158,
2.3806


 30.3578, 16.4506,
1.5753

 32.2774, 19.6466,
4.1981

 34.1010, 22.4926,
7.2764

 36.5691, 26.2305,
11.7929

 39.7363, 30.9276,
17.8962

 43.6513, 36.6442,
25.7164

■ 48.3583, 43.4358,
35.3700

■ 53.8981, 51.3539,
46.9634

■ 60.3087, 60.4466,
60.5946

■ 67.6256, 70.7591,
76.3554

Harmonies

Analogous

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



36.6176, 17.6158, 11.8395



31.0346, 17.6158, 2.3806



22.1369, 17.6158, 0.2698

Triad

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



31.0346, 17.6158, 2.3806



6.0483, 17.6158, 8.2915



19.9089, 17.6158, 101.9286

Complementary

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



31.0346, 17.6158, 2.3806



31.9473, 42.6143, 74.9475

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.



12.3057, 17.6158, 97.5180



31.0346, 17.6158, 2.3806



5.7917, 17.6158, 29.0614

Square

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



31.0346, 17.6158, 2.3806



8.5574, 17.6158, 1.5147



7.6920, 17.6158, 64.8878



28.9666, 17.6158, 74.3641

Rectangle

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



31.0346, 17.6158, 2.3806



16.4057, 17.6158, 0.0000



7.6920, 17.6158, 64.8878



17.0855, 17.6158, 104.4865

Sweetspot

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



31.0350, 17.6169, 2.3809



69.9446, 64.4630, 55.2941



39.7964, 19.7358, 52.7897



14.4286, 13.0207, 10.7055



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.



31.0350, 17.6169, 2.3809



41.9295, 22.6391, 2.1598



40.3594, 36.2657, 5.4890



13.2114, 13.3622, 13.6084



17.6864, 9.6583, 0.9321



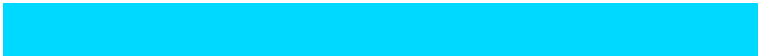
1.1962, 0.7266, 0.0772

Inverse Universe

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



31.9473, 42.6143, 74.9475



42.8917, 56.9033, 103.3306



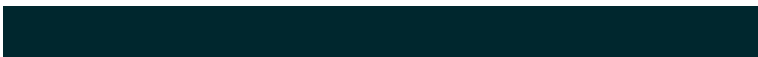
17.2399, 13.1994, 70.0450



13.2714, 14.4826, 16.7481



18.1145, 24.0984, 43.4351



1.2193, 1.6528, 2.8292

Previews

White Background



This preview shows how the XYZ color 31.0346, 17.6158, 2.3806 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 31.0346, 17.6158, 2.3806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

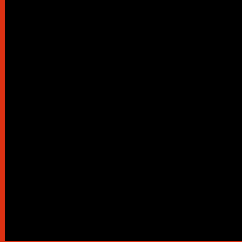
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0346, 17.6158, 2.3806

Background



This preview shows how black text looks on a background with the XYZ color 31.0346, 17.6158, 2.3806.



This preview shows how white text looks on a background with the XYZ color 31.0346, 17.6158,

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

31.0346, 17.6158, 2.3806

Protanopia

16.0247, 17.6692, 4.1560

Deuteranopia

17.8972, 17.6648, 2.4664



Tritanopia

31.3089, 17.5314, 4.4231

Trichromacy



Original Color

31.0346, 17.6158, 2.3806

Protanomaly

19.3588, 15.6355, 3.1600

Deuteranomaly

21.2073, 16.1087, 2.1926

Tritanomaly

31.1692, 17.5388, 3.4928

Monochromacy



Original Color

31.0346, 17.6158, 2.3806

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

15.0982, 11.9178, 7.1348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0346, 17.6158, 2.3806 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(221, 49, 19)` looks like.

```
.text, #text, p{  
    color:rgb(221, 49, 19)  
}
```

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(221, 49, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 49, 19) }
```

Border

The CSS property to change the border of an element to XYZ 31.0346, 17.6158, 2.3806 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(221, 49, 19) }
```


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

```
.border{ border-color:rgb(221, 49, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 49, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 49, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 49, 19);  
box-shadow:4px 4px 4px 4px rgb(221, 49,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0346, 17.6158, 2.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 49, 19) }
```

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

```
.background{ background-color: rgb(221, 49,  
19) }
```

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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