

Converting Colors

XYZ(31.1048, 18.1142, 2.7767)

Have a look what the booklet for
XYZ(31.1048, 18.1142, 2.7767)
contains.

XYZ(31.1048, 18.1142, 2.7767)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.1048, 18.1142,
2.7767)**

Conversions

Conversions Part 1

Format	Color
Hex	DC3819
RGB	220, 56, 25
RGB Percent	86%, 22%, 10%
CMY	0.1373, 0.7803, 0.9020
CMYK	0.00, 0.75, 0.89, 0.14
HSL	10°, 80%, 48%
HSV	10°, 89%, 86%
XYZ	31.1048, 18.1142, 2.7767
YIQ	101.5020, 107.6950, 25.1270

Conversions

Conversions Part 2

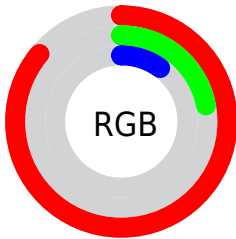
Format	Color
R_{YB}	220, 62, 25
Decimal	14432281
CIE Lab	49.63, 61.65, 54.29
CIE LCh	50, 82.153, 41.367
Yxy	18.1142, 0.5982, 0.3484
Android (android.graphics.Color)	4292622361 (0xFFDC3819)
YUV	101.5020, -37.7155, 103.9227
Hunter-Lab	42.5608, 55.9722, 25.9244

Details

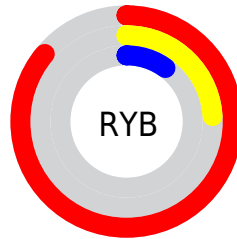
The XYZ color **31.1048, 18.1142, 2.7767** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **31.5139, 41.7637, 74.1097**, and the grayscale version is **12.5763, 13.2313, 14.4089**.

A 20% lighter version of the original color is **48.6068, 34.0159, 10.4824**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.2090, 16.5773, 1.6937**, and if you desaturate by 10%, it is **32.5113, 20.3872, 4.9111**.

Distribution



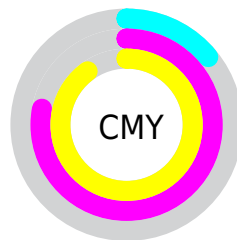
- Red (86%)
- Green (22%)
- Blue (10%)



- Red (86%)
- Yellow (24%)
- Blue (10%)



- Cyan (0%)
- Magenta (75%)
- Yellow (89%)
- Black (14%)





- Cyan (14%)
- Magenta (78%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1048, 18.1142, 2.7767 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 31.1048, 18.1142, 2.7767 by changing the saturation by 10% instead.


 31.1048, 18.1142,
2.7767


 31.1048, 18.1142,
2.7767


298.8391,
241.5139, 133.4637


 20.8309, 11.0320,
0.9818


 60.7798, 40.2318,
11.0723

 13.1122, 6.0884,
0.0000


 80.9115, 56.0360,
18.4100


 7.5834, 2.8989,
0.0000


 105.0599, 75.5164,
28.4324

 3.8791, 1.0792,
0.0000

 133.5903, 99.0573,
41.5581

 1.6340, 0.0000,
0.0000

 166.8681,
127.0431, 58.2055


 0.4144, 0.0000,
0.0000


 205.2586,


 0.0000, 0.0000,


159.8582, 78.7932


0.0000


 249.1271,
197.8870, 103.7398


 31.1048, 18.1142,
2.7767


 31.1048, 18.1142,
2.7767


 30.2090, 16.5773,
1.6937

 32.5113, 20.3872,
4.9111

 30.1156, 16.4168,
1.5815

 34.5048, 23.4766,
8.3433

 37.1442, 27.4528,
13.2390

 40.4806, 32.3777,
19.7391

 44.5596, 38.3077,
27.9676

■ 49.4231, 45.2946,
38.0365

■ 55.1098, 53.3865,
50.0483

■ 61.6557, 62.6288,
64.0977

■ 69.0947, 73.0642,
80.2736

Harmonies

Analogous

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



36.5052, 18.1142, 12.4104



31.1048, 18.1142, 2.7767



22.4674, 18.1142, 0.5404

Triad

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



31.1048, 18.1142, 2.7767



6.5564, 18.1142, 8.9362



20.3457, 18.1142, 98.9203

Complementary

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



31.1048, 18.1142, 2.7767



31.5139, 41.7637, 74.1097

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.



12.8558, 18.1142, 94.8497



31.1048, 18.1142, 2.7767



6.3014, 18.1142, 29.4592

Square

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



31.1048, 18.1142, 2.7767



9.0851, 18.1142, 1.8599



8.2355, 18.1142, 63.9109



29.1536, 18.1142, 72.7148

Rectangle

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



31.1048, 18.1142, 2.7767



16.8615, 18.1142, 0.2410



8.2355, 18.1142, 63.9109



17.5774, 18.1142, 101.3734

Sweetspot

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



31.1052, 18.1153, 2.7770



70.1078, 64.7893, 55.3485



39.2390, 19.6614, 50.8726



14.4661, 13.0956, 10.7180



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.



31.1052, 18.1153, 2.7770



42.0176, 22.8152, 2.1892



40.8781, 37.6610, 6.0346



13.2225, 13.3843, 13.6121



17.7275, 9.7405, 0.9458



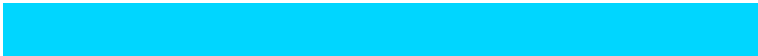
1.2014, 0.7370, 0.0789

Inverse Universe

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



31.5139, 41.7637, 74.1097



42.2095, 55.5391, 103.1032



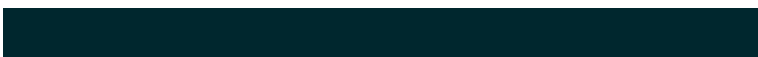
17.2555, 13.2467, 69.3569



13.2594, 14.4585, 16.7441



17.8332, 23.5359, 43.3414



1.2036, 1.6214, 2.8240

Previews

White Background



This preview shows how the XYZ color 31.1048, 18.1142, 2.7767 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 31.1048, 18.1142, 2.7767 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 31.1048, 18.1142, 2.7767

Background



This preview shows how black text looks on a background with the XYZ color 31.1048, 18.1142, 2.7767.



This preview shows how white text looks on a background with the XYZ color 31.1048, 18.1142,

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

31.1048, 18.1142, 2.7767

Protanopia

16.6527, 18.3334, 4.6685

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

31.7578, 18.1847, 5.3262

Trichromacy



Original Color

31.1048, 18.1142, 2.7767

Protanomaly

20.0033, 16.4864, 3.7180

Deuteranomaly

21.5557, 16.7880, 2.3627

Tritanomaly

31.5740, 18.1849, 4.1314

Monochromacy



Original Color

31.1048, 18.1142, 2.7767

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.1616, 13.0112, 8.1382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1048, 18.1142, 2.7767 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(220, 56, 25)` looks like.

```
.text, #text, p{  
    color:rgb(220, 56, 25)  
}
```

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(220, 56, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 56, 25) }
```

Border

The CSS property to change the border of an element to XYZ 31.1048, 18.1142, 2.7767 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(220, 56, 25) }
```


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

```
.border{ border-color:rgb(220, 56, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 56, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 56, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 56, 25);  
box-shadow:4px 4px 4px 4px rgb(220, 56,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1048, 18.1142, 2.7767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 56, 25) }
```

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

```
.background{ background-color: rgb(220, 56,  
25) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor