

Converting Colors

XYZ(31.2194, 17.8955, 2.5738)

Have a look what the booklet for
XYZ(31.2194, 17.8955, 2.5738)
contains.

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Color

**XYZ(31.1916, 17.8861,
2.5674)**

Conversions

Conversions Part 1

Format	Color
Hex	DD3416
RGB	221, 52, 22
RGB Percent	87%, 20%, 9%
CMY	0.1333, 0.7960, 0.9137
CMYK	0.00, 0.76, 0.90, 0.13
HSL	9°, 82%, 48%
HSV	9°, 90%, 87%
XYZ	31.1916, 17.8861, 2.5674
YIQ	99.1110, 110.3540, 26.4980

Conversions

Conversions Part 2

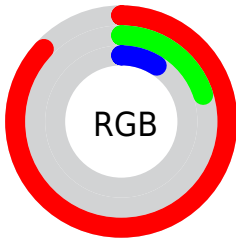
Format	Color
RYB	221, 57, 22
Decimal	14496790
CIELab	49.36, 63.17, 55.33
CIELCh	49, 83.976, 41.218
Yxy	17.8861, 0.6040, 0.3463
Android (android.graphics.Color)	4292686870 (0xFFDD3416)
YUV	99.1110, -38.0157, 106.8967
Hunter-Lab	42.2920, 57.6382, 26.0051

Details

The XYZ color **31.1916, 17.8861, 2.5674** 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 **32.0096, 42.6463, 74.9505**, and the grayscale version is **11.9626, 12.5856, 13.7057**.

A 20% lighter version of the original color is **48.2039, 33.3162, 10.0209**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.3716, 16.4782, 1.5799**, and if you desaturate by 10%, it is **32.5144, 20.0333, 4.5459**.

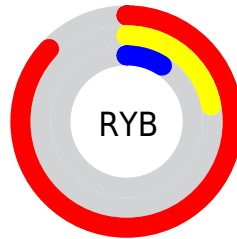
Distribution



Red (87%)

Green (20%)

Blue (9%)



Red (87%)

Yellow (22%)

Blue (9%)

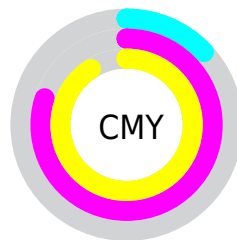


Cyan (0%)

Magenta (76%)

Yellow (90%)

Black (13%)



Cyan (13%)


Magenta (80%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1916, 17.8861, 2.5674 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 31.1916, 17.8861, 2.5674 by changing the saturation by 10% instead.


 31.1916, 17.8861,
2.5674


 31.1916, 17.8861,
2.5674


299.2312,
240.2283, 130.6443


 20.8973, 10.8682,
0.8756


 60.9154, 39.8431,
10.5409


 13.1610, 5.9783,
0.0000


 81.0756, 55.5511,
17.6623


 7.6173, 2.8319,
0.0000


 105.2552, 74.9246,
27.4316

 3.9008, 1.0446,
0.0000

 133.8196, 98.3480,
40.2672

 1.6462, 0.0000,
0.0000

 167.1340,
126.2056, 56.5878


 0.4222, 0.0000,
0.0000


 205.5638,


 0.0000, 0.0000,


158.8820, 76.8118


0.0000


 249.4744,
196.7614, 101.3578


 31.1916, 17.8861,
2.5674


 31.1916, 17.8861,
2.5674


 30.3716, 16.4782,
1.5799

 32.5144, 20.0333,
4.5459

 34.4259, 23.0040,
7.8111

 36.9882, 26.8731,
12.5354

 40.2547, 31.7063,
18.8646

 44.2732, 37.5626,
26.9265

■ 49.0871, 44.4966,
36.8361

■ 54.7367, 52.5589,
48.6983

■ 61.2594, 61.7968,
62.6103

■ 68.6903, 72.2550,
78.6629

Harmonies

Analogous

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



36.6978, 17.8861, 12.1731



31.1916, 17.8861, 2.5674



22.3797, 17.8861, 0.3911

Triad

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



31.1916, 17.8861, 2.5674



6.2868, 17.8861, 8.5512



20.1327, 17.8861, 101.0084

Complementary

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



31.1916, 17.8861, 2.5674



32.0096, 42.6463, 74.9505

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.



12.5602, 17.8861, 96.6197



31.1916, 17.8861, 2.5674



6.0232, 17.8861, 29.2330

Square

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



31.1916, 17.8861, 2.5674



8.8214, 17.8861, 1.6526



7.9371, 17.8861, 64.5587



29.1143, 17.8861, 74.0149

Rectangle

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



31.1916, 17.8861, 2.5674



16.6790, 17.8861, 0.0798



7.9371, 17.8861, 64.5587



17.3255, 17.8861, 103.4917

Sweetspot

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



31.1920, 17.8872, 2.5677



69.9795, 64.5328, 55.3058



39.5259, 19.7140, 51.0984



14.4366, 13.0368, 10.7081



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.



31.1920, 17.8872, 2.5677



41.9479, 22.6758, 2.1660



41.0863, 37.6759, 5.8658



13.2138, 13.3669, 13.6092



17.6950, 9.6755, 0.9349



1.1974, 0.7288, 0.0776

Inverse Universe

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



32.0096, 42.6463, 74.9505



42.7445, 56.6089, 103.2815



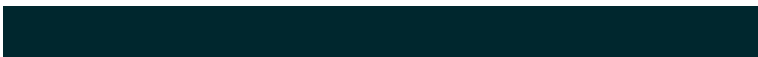
17.1788, 12.9848, 70.0069



13.2689, 14.4774, 16.7472



18.0538, 23.9771, 43.4149



1.2159, 1.6460, 2.8281

Previews

White Background



This preview shows how the XYZ color 31.1916, 17.8861, 2.5674 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 ✓ 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 31.1916, 17.8861, 2.5674

Background



This preview shows how black text looks on a background with the XYZ color 31.1916, 17.8861, 2.5674.



This preview shows how white text looks on a background with the XYZ color 31.1916, 17.8861,

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

31.1916, 17.8861, 2.5674

Protanopia

16.3440, 18.0023, 4.4471

Deuteranopia

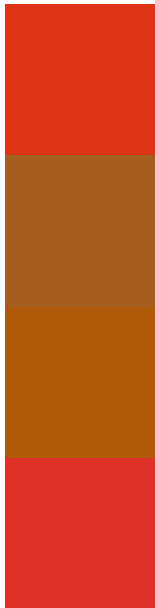
18.1886, 17.9779, 2.5114



Tritanopia

31.7982, 17.9565, 4.8076

Trichromacy



Original Color

31.1916, 17.8861, 2.5674

Protanomaly

19.5733, 16.0022, 3.4236

Deuteranomaly

21.3792, 16.4438, 2.2769

Tritanomaly

31.6478, 17.9640, 3.8069

Monochromacy



Original Color

31.1916, 17.8861, 2.5674

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.4823, 12.3292, 7.5250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1916, 17.8861, 2.5674 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, 52, 22)` looks like.

```
.text, #text, p{  
    color:rgb(221, 52, 22)  
}
```

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, 52, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 52, 22) }
```

Border

The CSS property to change the border of an element to XYZ 31.1916, 17.8861, 2.5674 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, 52, 22) }
```


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

```
.border{ border-color:rgb(221, 52, 22) }
```

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

Here you see how a box with a 4 pixel rgb(221, 52, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 52, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 52, 22);  
box-shadow:4px 4px 4px 4px rgb(221, 52,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1916, 17.8861, 2.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 52, 22) }
```

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

```
.background{ background-color: rgb(221, 52,  
22) }
```

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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