

Converting Colors

XYZ(28.7633, 15.1579, 1.4098)

Have a look what the booklet for
XYZ(28.7633, 15.1579, 1.4098)
contains.

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Color

**XYZ(28.8316, 15.1843,
1.4113)**

Conversions

Conversions Part 1

Format	Color
Hex	D91200
RGB	217, 18, 0
RGB Percent	85%, 7%, 0%
CMY	0.1490, 0.9293, 1.0000
CMYK	0.00, 0.92, 1.00, 0.15
HSL	5°, 100%, 43%
HSV	5°, 100%, 85%
XYZ	28.8316, 15.1843, 1.4113
YIQ	75.4490, 124.3820, 36.5900

Conversions

Conversions Part 2

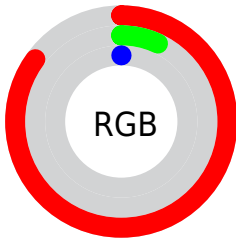
Format	Color
RYB	217, 20, 0
Decimal	14225920
CIELab	45.89, 69.21, 59.72
CIElCh	46, 91.410, 40.791
Yxy	15.1843, 0.6347, 0.3343
Android (android.graphics.Color)	4292416000 (0xFFD91200)
YUV	75.4490, -37.1964, 124.1402
Hunter-Lab	38.9670, 63.8793, 25.1296

Details

The XYZ color **28.8316, 15.1843, 1.4113** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **32.9407, 45.8425, 72.7575**, and the grayscale version is **6.8217, 7.1770, 7.8158**.

A 20% lighter version of the original color is **45.8439, 29.3645, 6.8661**, and **12.7625, 6.5793, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **28.8319, 15.1852, 1.4114**, and if you desaturate by 10%, it is **29.4479, 16.1901, 2.3170**.

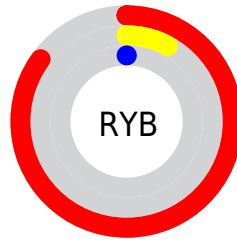
Distribution



Red (85%)

Green (7%)

Blue (0%)



Red (85%)

Yellow (8%)

Blue (0%)

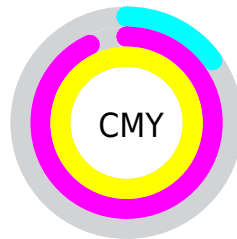


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8316, 15.1843, 1.4113 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 28.8316, 15.1843, 1.4113 by changing the saturation by 10% instead.


 28.8316, 15.1843,
1.4113


 28.8316, 15.1843,
1.4113


 288.4281,
224.4790, 112.4370


 19.0971, 8.9488,
0.1505


 57.2088, 35.1762,
7.3579


 11.8449, 4.7078,
0.0000


 76.5823, 49.7014,
13.0882

 6.7096, 2.0769,
0.0000


 99.8994, 67.7586,
21.2147

 3.3259, 0.6516,
0.0000

 127.5257, 89.7323,
32.1557

 1.3283, 0.0000,
0.0000

 159.8263,
116.0067, 46.3299


 0.2043, 0.0000,
0.0000


 197.1666,


 0.0000, 0.0000,


146.9664, 64.1559


0.0000


 239.9122,
182.9957, 86.0520


 28.8316, 15.1843,
1.4113

 28.8316, 15.1843,
1.4113


 28.8319, 15.1852,
1.4114

 29.4479, 16.1901,
2.3170

 30.5628, 17.9376,
4.1758

 32.2769, 20.5439,
7.2807

 34.6595, 24.1009,
11.7996

 37.7703, 28.6884,
17.8745

■ 41.6625, 34.3779,
25.6299

■ 46.3841, 41.2346,
35.1780

■ 51.9794, 49.3184,
46.6209

■ 58.4895, 58.6854,
60.0534

Harmonies

Analogous

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



34.4635, 15.1843, 9.7851



28.8316, 15.1843, 1.4113



19.8848, 15.1843, 0.0000

Triad

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



28.8316, 15.1843, 1.4113



4.4662, 15.1843, 6.1232



17.3923, 15.1843, 103.2549

Complementary

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



28.8316, 15.1843, 1.4113



32.9407, 45.8425, 72.7575

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.



10.0804, 15.1843, 97.8768



28.8316, 15.1843, 1.4113



4.2132, 15.1843, 25.8335

Square

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



28.8316, 15.1843, 1.4113



6.7472, 15.1843, 0.6926



5.8615, 15.1843, 62.7297



26.4574, 15.1843, 74.0810

Rectangle

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



28.8316, 15.1843, 1.4113



14.2283, 15.1843, 0.0000



5.8615, 15.1843, 62.7297



14.6381, 15.1843, 105.8104

Sweetspot

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



28.8319, 15.1853, 1.4115



66.6451, 59.1323, 50.2843



39.3390, 19.0412, 57.8104



13.6160, 11.7160, 9.4468



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.



28.8319, 15.1853, 1.4115



41.5116, 21.8032, 2.0205



35.6940, 28.9094, 3.6989



13.1426, 13.2245, 13.5855



17.4847, 9.2551, 0.8649



1.1636, 0.6613, 0.0663

Inverse Universe

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



32.9407, 45.8425, 72.7575



47.4195, 65.9589, 104.8398



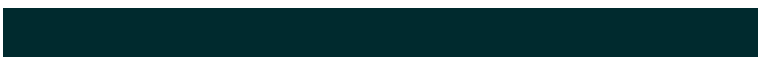
16.5301, 13.0212, 67.2873



13.3475, 14.6348, 16.7734



19.9784, 27.8263, 44.0564



1.3222, 1.8585, 2.8635

Previews

White Background



This preview shows how the XYZ color 28.8316, 15.1843, 1.4113 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 × 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 28.8316, 15.1843, 1.4113

Background



This preview shows how black text looks on a background with the XYZ color 28.8316, 15.1843, 1.4113.



This preview shows how white text looks on a background with the XYZ color 28.8316, 15.1843,

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

28.8316, 15.1843, 1.4113

Protanopia

14.0977, 15.5208, 3.3514

Deuteranopia

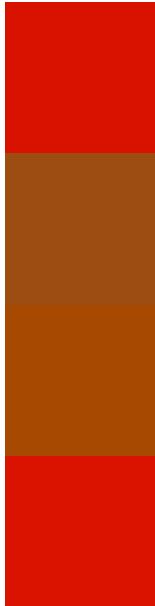
15.6990, 15.5921, 2.1822



Tritanopia

28.8481, 15.2175, 1.4168

Trichromacy



Original Color

28.8316, 15.1843, 1.4113

Protanomaly

16.8636, 12.6205, 2.1195

Deuteranomaly

18.3189, 12.9806, 1.5400

Tritanomaly

28.8481, 15.2175, 1.4168

Monochromacy



Original Color

28.8316, 15.1843, 1.4113

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

10.6051, 7.3638, 3.6587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8316, 15.1843, 1.4113 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(217, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 18, 0)  
}
```

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(217, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 18, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.8316, 15.1843, 1.4113 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(217, 18, 0) }
```


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

```
.border{ border-color:rgb(217, 18, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 18, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 18, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.8316, 15.1843, 1.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 18, 0) }
```

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

```
.background{ background-color: rgb(217, 18,  
0) }
```

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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