

Converting Colors

XYZ(28.2565, 17.4758, 1.8857)

Have a look what the booklet for
XYZ(28.2565, 17.4758, 1.8857)
contains.

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Color

**XYZ(28.2427, 17.4517,
1.8800)**

Conversions

Conversions Part 1

Format	Color
Hex	D14200
RGB	209, 66, 0
RGB Percent	82%, 26%, 0%
CMY	0.1804, 0.7411, 1.0000
CMYK	0.00, 0.68, 1.00, 0.18
HSL	19°, 100%, 41%
HSV	19°, 100%, 82%
XYZ	28.2427, 17.4517, 1.8800
YIQ	101.2330, 106.4140, 9.7900

Conversions

Conversions Part 2

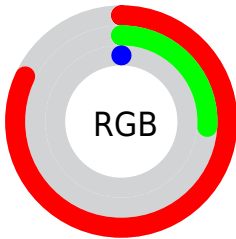
Format	Color
R_{YB}	209, 96, 0
Decimal	13713920
CIE Lab	48.82, 54.24, 60.07
CIE LCh	49, 80.934, 47.923
Yxy	17.4517, 0.5937, 0.3668
Android (android.graphics.Color)	4291904000 (0xFFD14200)
YUV	101.2330, -49.9079, 94.5117
Hunter-Lab	41.7752, 47.5706, 26.5744

Details

The XYZ color **28.2427, 17.4517, 1.8800** 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 **21.3302, 24.2466, 63.8770**, and the grayscale version is **12.5368, 13.1897, 14.3636**.

A 20% lighter version of the original color is **48.8668, 35.2505, 8.3661**, and **11.6771, 6.0197, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **28.2429, 17.4524, 1.8801**, and if you desaturate by 10%, it is **29.3201, 19.3916, 2.9024**.

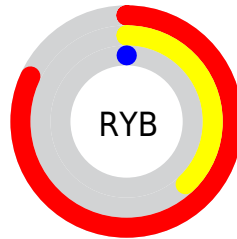
Distribution



Red (82%)

Green (26%)

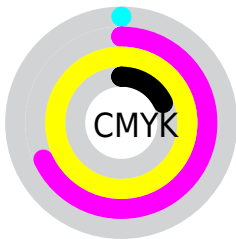
Blue (0%)



Red (82%)

Yellow (38%)

Blue (0%)

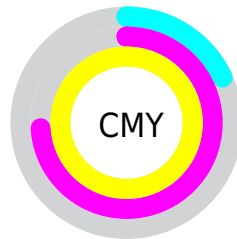


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2427, 17.4517, 1.8800 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 28.2427, 17.4517, 1.8800 by changing the saturation by 10% instead.


 28.2427, 17.4517,
1.8800


 28.2427, 17.4517,
1.8800


 285.6839,
237.7621, 120.4847


 18.6501, 10.5571,
0.4800


 56.2776, 39.1008,
8.7101


 11.5202, 5.7698,
0.0000


 75.4506, 54.6240,
15.0537


 6.4877, 2.7056,
0.0000


 98.5478, 73.7923,
23.9079

 3.1873, 0.9801,
0.0000

 125.9346, 96.9899,
35.6910

 1.2536, 0.0000,
0.0000

 157.9762,
124.6013, 50.8218

 0.1481, 0.0000,
0.0000


 195.0380,


 0.0000, 0.0000,


157.0109, 69.7186


0.0000


 237.4855,
194.6030, 92.8000


 28.2427, 17.4517,
1.8800

 28.2427, 17.4517,
1.8800


 28.2429, 17.4524,
1.8801

 29.3201, 19.3916,
2.9024

 30.7657, 21.8349,
4.7652

 32.6420, 24.8283,
7.7313

 34.9877, 28.4063,
11.9453

 37.8364, 32.6004,
17.5296

■ 41.2184, 37.4395,
24.5917

■ 45.1615, 42.9504,
33.2282

■ 49.6911, 49.1585,
43.5276

■ 54.8312, 56.0877,
55.5717

Harmonies

Analogous

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



34.4286, 17.4517, 8.9190



28.2427, 17.4517, 1.8800



19.7895, 17.4517, 0.3521

Triad

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



28.2427, 17.4517, 1.8800



6.1078, 17.4517, 11.6075



21.4302, 17.4517, 91.5560

Complementary

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



28.2427, 17.4517, 1.8800



21.3302, 24.2466, 63.8770

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.



13.7506, 17.4517, 94.6998



28.2427, 17.4517, 1.8800



6.3054, 17.4517, 34.7467

Square

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



28.2427, 17.4517, 1.8800



8.0240, 17.4517, 2.5914



8.6818, 17.4517, 69.0615



29.7510, 17.4517, 62.2605

Rectangle

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



28.2427, 17.4517, 1.8800



14.6787, 17.4517, 0.2809



8.6818, 17.4517, 69.0615



18.6546, 17.4517, 96.2239

Sweetspot

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



28.2431, 17.4527, 1.8803



70.6020, 67.0461, 51.6032



31.5061, 15.6400, 28.6752



14.5265, 13.5369, 9.7503



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.



28.2431, 17.4527, 1.8803



44.1480, 27.0759, 2.8993



40.1497, 41.2661, 5.8492



12.1091, 12.4089, 12.3690



17.4925, 10.9180, 1.1854



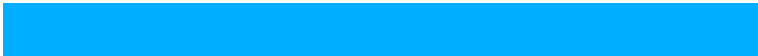
1.0490, 0.7522, 0.0899

Inverse Universe

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



21.3302, 24.2466, 63.8770



33.2761, 37.6723, 100.1254



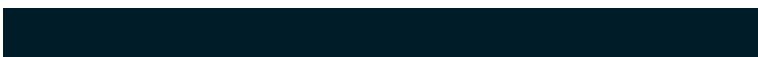
12.3296, 6.2455, 60.8768



11.8304, 12.7510, 15.0813



13.2434, 15.1334, 39.4155



0.8100, 0.9852, 2.2270

Previews

White Background



This preview shows how the XYZ color 28.2427, 17.4517, 1.8800 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 28.2427, 17.4517, 1.8800

Background



This preview shows how black text looks on a background with the XYZ color 28.2427, 17.4517, 1.8800.



This preview shows how white text looks on a background with the XYZ color 28.2427, 17.4517,

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

28.2427, 17.4517, 1.8800

Protanopia

15.8662, 17.6058, 3.3211

Deuteranopia

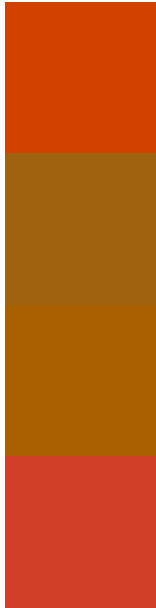
17.7171, 17.5719, 2.4579



Tritanopia

29.2264, 17.5171, 6.6912

Trichromacy



Original Color

28.2427, 17.4517, 1.8800

Protanomaly

18.7450, 16.1380, 2.5424

Deuteranomaly

20.6698, 16.7305, 2.1399

Tritanomaly

28.7561, 17.4167, 3.9440

Monochromacy



Original Color

28.2427, 17.4517, 1.8800

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.2304, 12.9251, 6.5425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2427, 17.4517, 1.8800 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(209, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 66, 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(209, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 66, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.2427, 17.4517, 1.8800 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(209, 66, 0) }
```


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

```
.border{ border-color:rgb(209, 66, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 66, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 66, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.2427, 17.4517, 1.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 66, 0) }
```

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

```
.background{ background-color: rgb(209, 66,  
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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