

Converting Colors

XYZ(28.7175, 18.3593, 2.0301)

Have a look what the booklet for
XYZ(28.7175, 18.3593, 2.0301)
contains.

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Color

**XYZ(28.6770, 18.3204,
2.0247)**

Conversions

Conversions Part 1

Format	Color
Hex	D14900
RGB	209, 73, 0
RGB Percent	82%, 29%, 0%
CMY	0.1804, 0.7137, 1.0000
CMYK	0.00, 0.65, 1.00, 0.18
HSL	21°, 100%, 41%
HSV	21°, 100%, 82%
XYZ	28.6770, 18.3204, 2.0247
YIQ	105.3420, 104.4890, 6.1290

Conversions

Conversions Part 2

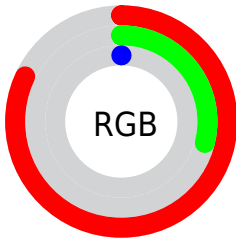
Format	Color
RYB	209, 112, 0
Decimal	13715712
CIELab	49.88, 51.38, 60.60
CIElCh	50, 79.451, 49.711
Yxy	18.3204, 0.5850, 0.3737
Android (android.graphics.Color)	4291905792 (0xFFD14900)
YUV	105.3420, -51.9336, 90.9081
Hunter-Lab	42.8023, 44.6886, 27.1570

Details

The XYZ color **28.6770, 18.3204, 2.0247** 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 **20.3115, 22.2094, 63.5373**, and the grayscale version is **13.6380, 14.3482, 15.6252**.

A 20% lighter version of the original color is **49.6450, 36.7650, 8.7547**, and **11.9300, 6.2629, 0.5801** is the 20% darker color. If you saturate the color by 10%, you get **28.6773, 18.3213, 2.0249**, and if you desaturate by 10%, it is **29.8052, 20.3621, 3.0641**.

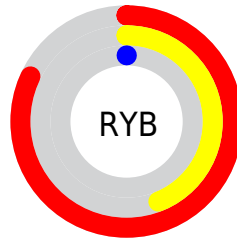
Distribution



Red (82%)

Green (29%)

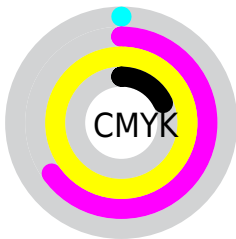
Blue (0%)



Red (82%)

Yellow (44%)

Blue (0%)

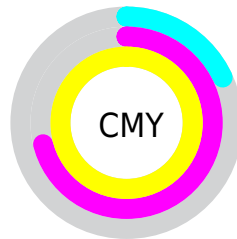


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6770, 18.3204, 2.0247 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 28.6770, 18.3204, 2.0247 by changing the saturation by 10% instead.


 28.6770, 18.3204,
2.0247


 28.6770, 18.3204,
2.0247


 287.7097,
242.6708, 122.7591


 18.9797, 11.1803,
0.5704


 56.9646, 40.5825,
9.1082


 11.7595, 6.1882,
0.0000


 76.2856, 56.4733,
15.6257


 6.6512, 2.9599,
0.0000


 99.5452, 76.0497,
24.6851

 3.2893, 1.1108,
0.0000

 127.1088, 99.6963,
36.7049

 1.3085, 0.0000,
0.0000

 159.3416,
127.7972, 52.1037


 0.1896, 0.0000,
0.0000


 196.6092,


 0.0000, 0.0000,


160.7370, 71.2999


0.0000


 239.2767,
198.9001, 94.7122


 28.6770, 18.3204,
2.0247

 28.6770, 18.3204,
2.0247


 28.6773, 18.3213,
2.0249

 29.8052, 20.3621,
3.0641

 31.2857, 22.8751,
4.9383

 33.1786, 25.9018,
7.9098

 35.5208, 29.4728,
12.1226

 38.3440, 33.6160,
17.6982

■ 41.6771, 38.3572,
24.7438

■ 45.5461, 43.7201,
33.3554

■ 49.9753, 49.7275,
43.6211

■ 54.9873, 56.4006,
55.6223

Harmonies

Analogous

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



35.1142, 18.3204, 8.8990



28.6770, 18.3204, 2.0247



20.1562, 18.3204, 0.5475

Triad

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



28.6770, 18.3204, 2.0247



6.6280, 18.3204, 13.3664



22.8221, 18.3204, 90.9946

Complementary

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



28.6770, 18.3204, 2.0247



20.3115, 22.2094, 63.5373

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.



14.9307, 18.3204, 95.9771



28.6770, 18.3204, 2.0247



6.9597, 18.3204, 37.6573

Square

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



28.6770, 18.3204, 2.0247



8.4745, 18.3204, 3.2774



9.5687, 18.3204, 71.9405



31.1099, 18.3204, 61.1029

Rectangle

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



28.6770, 18.3204, 2.0247



15.0623, 18.3204, 0.5378



9.5687, 18.3204, 71.9405



19.9964, 18.3204, 96.1865

Sweetspot

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



28.6774, 18.3215, 2.0250



71.2109, 68.2640, 51.8062



30.9789, 15.4291, 25.8993



14.6684, 13.8206, 9.7976



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.



28.6774, 18.3215, 2.0250



44.8188, 28.4176, 3.1229



41.4624, 43.8915, 6.2867



12.1417, 12.4741, 12.3798



17.7656, 11.4643, 1.2765



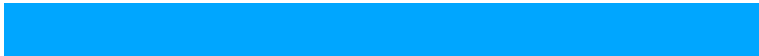
1.0669, 0.7882, 0.0959

Inverse Universe

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



20.3115, 22.2094, 63.5373



31.6722, 34.4644, 99.5907



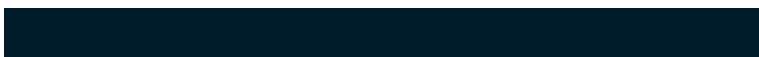
12.1047, 5.7958, 60.8017



11.7963, 12.6829, 15.0700



12.6190, 13.8846, 39.2074



0.7784, 0.9220, 2.2165

Previews

White Background



This preview shows how the XYZ color 28.6770, 18.3204, 2.0247 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 28.6770, 18.3204, 2.0247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

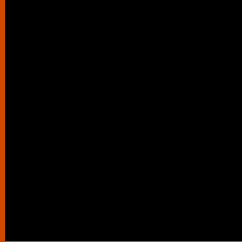
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6770, 18.3204, 2.0247

Background



This preview shows how black text looks on a background with the XYZ color 28.6770, 18.3204, 2.0247.



This preview shows how white text looks on a background with the XYZ color 28.6770, 18.3204,

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

28.6770, 18.3204, 2.0247

Protanopia

16.6928, 18.5592, 3.4615

Deuteranopia

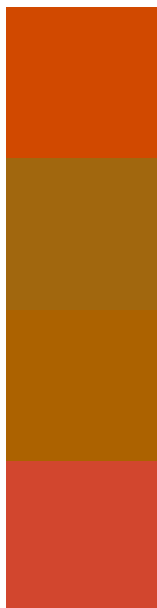
18.6676, 18.3896, 2.5657



Tritanopia

29.8152, 18.3038, 8.0924

Trichromacy



Original Color

28.6770, 18.3204, 2.0247

Protanomaly

19.6275, 17.3093, 2.7220

Deuteranomaly

21.3809, 17.5060, 2.2521

Tritanomaly

29.2616, 18.2792, 4.5707

Monochromacy



Original Color

28.6770, 18.3204, 2.0247

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

16.2552, 14.0736, 7.1699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6770, 18.3204, 2.0247 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, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 73, 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, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 73, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.6770, 18.3204, 2.0247 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, 73, 0) }
```


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

```
.border{ border-color:rgb(209, 73, 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, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 73, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.6770, 18.3204, 2.0247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 73, 0) }
```

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

```
.background{ background-color: rgb(209, 73,  
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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