

Converting Colors

XYZ(28.7197, 15.8369, 1.5447)

Have a look what the booklet for
XYZ(28.7197, 15.8369, 1.5447)
contains.

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Color

**XYZ(28.7174, 15.8333,
1.5426)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D72600 |
| RGB | 215, 38, 0 |
| RGB Percent | 84%, 15%, 0% |
| CMY | 0.1569, 0.8509, 1.0000 |
| CMYK | 0.00, 0.82, 1.00, 0.16 |
| HSL | 11°, 100%, 42% |
| HSV | 11°, 100%, 84% |
| XYZ | 28.7174, 15.8333, 1.5426 |
| YIQ | 86.5910, 117.6900, 25.7060 |

Conversions

Conversions Part 2

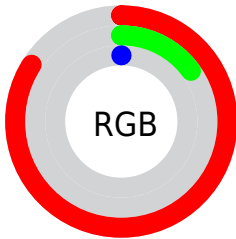
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 215, 46, 0 |
| Decimal | 14099968 |
| CIELab | 46.76, 65.01, 59.80 |
| CIELCh | 47, 88.337, 42.610 |
| Yxy | 15.8333, 0.6230, 0.3435 |
| Android (android.graphics.Color) | 4292290048 (0xFFD72600) |
| YUV | 86.5910, -42.6894, 112.6147 |
| Hunter-Lab | 39.7911, 59.1899, 25.5552 |

Details

The XYZ color **28.7174, 15.8333, 1.5426** 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 **27.9847, 36.3443, 69.8295**, and the grayscale version is **9.0440, 9.5150, 10.3619**.

A 20% lighter version of the original color is **46.7052, 31.0483, 7.2727**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **28.7176, 15.8341, 1.5427**, and if you desaturate by 10%, it is **29.5646, 17.3039, 2.5159**.

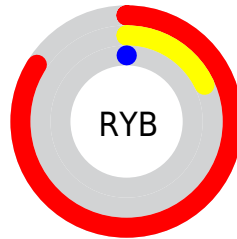
Distribution



Red (84%)

Green (15%)

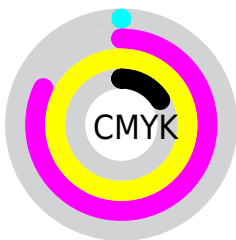
Blue (0%)



Red (84%)

Yellow (18%)

Blue (0%)

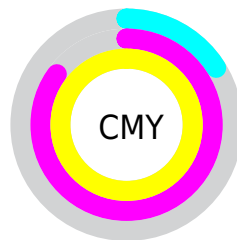


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (85%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7174, 15.8333, 1.5426 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 28.7174, 15.8333, 1.5426 by changing the saturation by 10% instead.

 28.7174, 15.8333,
1.5426


 28.7174, 15.8333,
1.5426


 287.8975,
228.3560, 114.8129


 19.0103, 9.4063,
0.2494


 57.0285, 36.3086,
7.7477


 11.7818, 5.0071,
0.0000


 76.3632, 51.1256,
13.6588

 6.6664, 2.2514,
0.0000


 99.6378, 69.5081,
22.0003

 3.2988, 0.7478,
0.0000

 127.2178, 91.8404,
33.1908

 1.3137, 0.0000,
0.0000

 159.4684,
118.5069, 47.6487

 0.1934, 0.0000,
0.0000


 196.7549,


 0.0000, 0.0000,


149.8921, 65.7927


0.0000


 239.4429,
186.3804, 88.0412


 28.7174, 15.8333,
1.5426


 28.7174, 15.8333,
1.5426


 28.7176, 15.8341,
1.5427

 29.5646, 17.3039,
2.5159

 30.8700, 19.4411,
4.4113

 32.7146, 22.3243,
7.5106

 35.1524, 26.0159,
11.9735

 38.2306, 30.5715,
17.9349

■ 41.9914, 36.0416,
25.5133

■ 46.4735, 42.4729,
34.8154

■ 51.7122, 49.9087,
45.9387

■ 57.7410, 58.3900,
58.9734

Harmonies

Analogous

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



34.5100, 15.8333, 9.5670



28.7174, 15.8333, 1.5426



19.8998, 15.8333, 0.0000

Triad

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



28.7174, 15.8333, 1.5426



4.9085, 15.8333, 7.4485



18.5027, 15.8333, 99.9972

Complementary

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



28.7174, 15.8333, 1.5426



27.9847, 36.3443, 69.8295

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.



11.0586, 15.8333, 97.0831



28.7174, 15.8333, 1.5426



4.7592, 15.8333, 28.1985

Square

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



28.7174, 15.8333, 1.5426



7.1117, 15.8333, 1.0961



6.5970, 15.8333, 64.5380



27.4002, 15.8333, 70.7308

Rectangle

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



28.7174, 15.8333, 1.5426



14.3877, 15.8333, 0.0000



6.5970, 15.8333, 64.5380



15.7304, 15.8333, 103.1769

Sweetspot

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



28.7177, 15.8343, 1.5428



68.1816, 62.2054, 50.7964



36.1776, 17.7084, 44.2474



13.9671, 12.4181, 9.5639



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.



28.7177, 15.8343, 1.5428



42.1818, 23.1435, 2.2439



37.8967, 34.1922, 4.6025



12.5990, 12.7723, 12.9620



17.2315, 9.5803, 0.9410



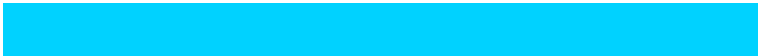
1.0942, 0.6876, 0.0750

Inverse Universe

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



27.9847, 36.3443, 69.8295



41.0748, 53.2697, 102.7249



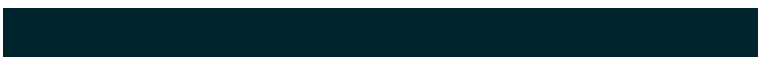
14.5616, 9.4982, 65.3551



12.5967, 13.7169, 15.9212



16.8084, 21.8786, 41.7903



1.0639, 1.4198, 2.5373

Previews

White Background



This preview shows how the XYZ color 28.7174, 15.8333, 1.5426 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 28.7174, 15.8333, 1.5426 looks on a 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 28.7174, 15.8333, 1.5426

Background



This preview shows how black text looks on a background with the XYZ color 28.7174, 15.8333, 1.5426.



This preview shows how white text looks on a background with the XYZ color 28.7174, 15.8333,

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

28.7174, 15.8333, 1.5426

Protanopia

14.5848, 16.0985, 3.3159

Deuteranopia

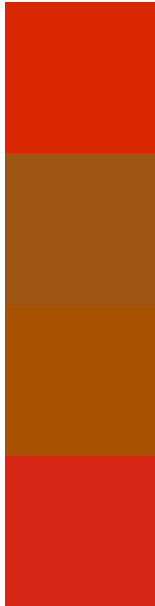
16.1385, 15.9708, 2.2321



Tritanopia

28.9439, 15.8243, 3.0423

Trichromacy



Original Color

28.7174, 15.8333, 1.5426

Protanomaly

17.4502, 13.8066, 2.2755

Deuteranomaly

19.0909, 14.2097, 1.7365

Tritanomaly

28.8307, 15.8281, 2.2946

Monochromacy



Original Color

28.7174, 15.8333, 1.5426

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

12.6492, 9.6004, 4.8008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7174, 15.8333, 1.5426 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(215, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 38, 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(215, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 38, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7174, 15.8333, 1.5426 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(215, 38, 0) }
```


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

```
.border{ border-color:rgb(215, 38, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 38, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7174, 15.8333, 1.5426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 38, 0) }
```

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

```
.background{ background-color: rgb(215, 38,  
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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