

Converting Colors

XYZ(28.7723, 15.0658, 1.3915)

Have a look what the booklet for
XYZ(28.7723, 15.0658, 1.3915)
contains.

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Color

**XYZ(28.7723, 15.0658,
1.3915)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D90E00 |
| RGB | 217, 14, 0 |
| RGB Percent | 85%, 5%, 0% |
| CMY | 0.1490, 0.9449, 1.0000 |
| CMYK | 0.00, 0.94, 1.00, 0.15 |
| HSL | 4°, 100%, 43% |
| HSV | 4°, 100%, 85% |
| XYZ | 28.7723, 15.0658, 1.3915 |
| YIQ | 73.1010, 125.4820, 38.6820 |

Conversions

Conversions Part 2

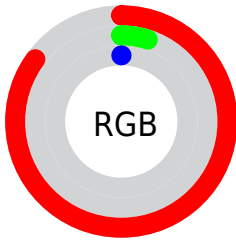
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 217, 15, 0 |
| Decimal | 14224896 |
| CIELab | 45.72, 69.67, 59.66 |
| CIElCh | 46, 91.725, 40.574 |
| Yxy | 15.0658, 0.6361, 0.3331 |
| Android (android.graphics.Color) | 4292414976 (0xFFD90E00) |
| YUV | 73.1010, -36.0388, 126.1994 |
| Hunter-Lab | 38.8147, 64.3916, 25.0447 |

Details

The XYZ color **28.7723, 15.0658, 1.3915** 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 **33.8704, 47.7019, 73.0673**, and the grayscale version is **6.4001, 6.7334, 7.3327**.

A 20% lighter version of the original color is **45.6707, 29.0180, 6.8084**, and **12.7625, 6.5793, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **28.7726, 15.0668, 1.3917**, and if you desaturate by 10%, it is **29.3387, 15.9718, 2.2805**.

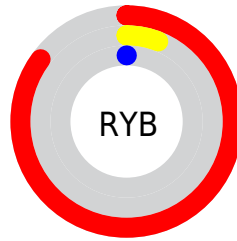
Distribution



Red (85%)

Green (5%)

Blue (0%)



Red (85%)

Yellow (6%)

Blue (0%)

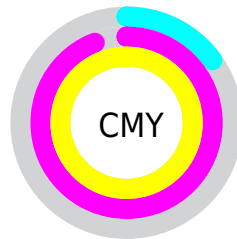


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (94%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7723, 15.0658, 1.3915 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 28.7723, 15.0658, 1.3915 by changing the saturation by 10% instead.


 28.7723, 15.0658,
1.3915


 28.7723, 15.0658,
1.3915

 288.1527,
223.7641, 112.0691


 19.0521, 8.8656,
0.1351


 57.1152, 34.9686,
7.2982

 11.8121, 4.6536,
0.0000


 76.4685, 49.4399,
13.0006

 6.6872, 2.0455,
0.0000


 99.7636, 67.4371,
21.0937

 3.3118, 0.6337,
0.0000

 127.3658, 89.3445,
31.9961

 1.3207, 0.0000,
0.0000

 159.6405,
115.5465, 46.1263

 0.1987, 0.0000,
0.0000


 196.9529,


 0.0000, 0.0000,


146.4275, 63.9028


0.0000


 239.6686,
182.3719, 85.7442


 28.7723, 15.0658,
1.3915

 28.7723, 15.0658,
1.3915

 28.7726, 15.0668,
1.3917

 29.3387, 15.9718,
2.2805

 30.4073, 17.6266,
4.1238

 32.0833, 20.1569,
7.2159

 34.4396, 23.6614,
11.7260

 37.5387, 28.2254,
17.7968

■ 41.4360, 33.9252,
25.5538

■ 46.1816, 40.8298,
35.1096

■ 51.8214, 49.0028,
46.5673

■ 58.3983, 58.5033,
60.0219

Harmonies

Analogous

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



34.3704, 15.0658, 9.7864



28.7723, 15.0658, 1.3915



19.8318, 15.0658, 0.0000

Triad

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



28.7723, 15.0658, 1.3915



4.4012, 15.0658, 5.9545



17.2131, 15.0658, 103.4061

Complementary

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



28.7723, 15.0658, 1.3915



33.8704, 47.7019, 73.0673

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.



9.9370, 15.0658, 97.7316



28.7723, 15.0658, 1.3915



4.1373, 15.0658, 25.4841

Square

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



28.7723, 15.0658, 1.3915



6.6850, 15.0658, 0.6407



5.7588, 15.0658, 62.3506



26.2747, 15.0658, 74.3174

Rectangle

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



28.7723, 15.0658, 1.3915



14.1716, 15.0658, 0.0000



5.7588, 15.0658, 62.3506



14.4686, 15.0658, 105.8763

Sweetspot

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



28.7726, 15.0668, 1.3917



66.3526, 58.5474, 50.1868



39.7737, 19.2151, 60.1002



13.5496, 11.5831, 9.4247



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.



28.7726, 15.0668, 1.3917



41.4328, 21.6456, 1.9943



35.2535, 28.0286, 3.5520



13.1233, 13.1860, 13.5791



17.4444, 9.1743, 0.8514



1.1545, 0.6430, 0.0633

Inverse Universe

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



33.8704, 47.7019, 73.0673



48.7704, 68.6608, 105.2901



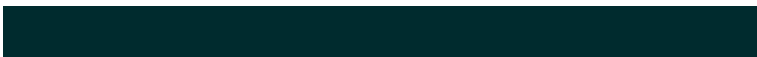
16.8593, 13.6797, 67.3969



13.3690, 14.6777, 16.7806



20.5337, 28.9368, 44.2415



1.3525, 1.9191, 2.8736

Previews

White Background



This preview shows how the XYZ color 28.7723, 15.0658, 1.3915 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 28.7723, 15.0658, 1.3915 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 28.7723, 15.0658, 1.3915

Background



This preview shows how black text looks on a background with the XYZ color 28.7723, 15.0658, 1.3915.



This preview shows how white text looks on a background with the XYZ color 28.7723, 15.0658,

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

28.7723, 15.0658, 1.3915

Protanopia

13.9539, 15.4467, 3.3447

Deuteranopia

15.4315, 15.3039, 2.1406



Tritanopia

28.5691, 15.0992, 1.4087

Trichromacy



Original Color

28.7723, 15.0658, 1.3915

Protanomaly

16.5299, 12.2439, 2.0644

Deuteranomaly

18.1896, 12.7220, 1.4969

Tritanomaly

28.5352, 15.0315, 1.3974

Monochromacy



Original Color

28.7723, 15.0658, 1.3915

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.1786, 7.0132, 3.4020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7723, 15.0658, 1.3915 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, 14, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 14, 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, 14, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 14, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7723, 15.0658, 1.3915 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, 14, 0) }
```


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

```
.border{ border-color:rgb(217, 14, 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, 14, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 14, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 14, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 14, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7723, 15.0658, 1.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 14, 0) }
```

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

```
.background{ background-color: rgb(217, 14,  
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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