

Converting Colors

XYZ(28.3622, 15.0974, 1.4916)

Have a look what the booklet for
XYZ(28.3622, 15.0974, 1.4916)
contains.

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Color

**XYZ(28.3674, 15.1069,
1.5069)**

Conversions

Conversions Part 1

Format	Color
Hex	D71803
RGB	215, 24, 3
RGB Percent	84%, 9%, 1%
CMY	0.1569, 0.9058, 0.9882
CMYK	0.00, 0.89, 0.99, 0.16
HSL	6°, 97%, 43%
HSV	6°, 99%, 84%
XYZ	28.3674, 15.1069, 1.5069
YIQ	78.7150, 120.5770, 33.9610

Conversions

Conversions Part 2

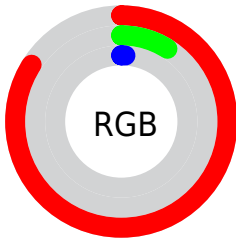
Format	Color
RYB	215, 26, 3
Decimal	14096387
CIELab	45.78, 67.85, 58.50
CIElCh	46, 89.585, 40.769
Yxy	15.1069, 0.6307, 0.3358
Android (android.graphics.Color)	4292286467 (0xFFD71803)
YUV	78.7150, -37.3275, 119.5219
Hunter-Lab	38.8676, 62.2594, 24.9086

Details

The XYZ color **28.3674, 15.1069, 1.5069** 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 **31.5891, 43.4973, 71.0204**, and the grayscale version is **7.4327, 7.8197, 8.5157**.

A 20% lighter version of the original color is **46.0707, 29.7398, 7.1831**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **28.2983, 14.9953, 1.4029**, and if you desaturate by 10%, it is **29.0725, 16.2715, 2.5001**.

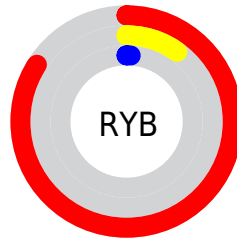
Distribution



Red (84%)

Green (9%)

Blue (1%)



Red (84%)

Yellow (10%)

Blue (1%)

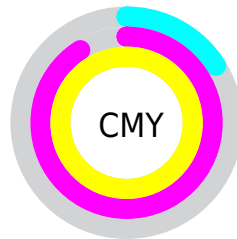


Cyan (0%)

Magenta (89%)

Yellow (99%)

Black (16%)



Cyan (16%)


Magenta (91%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3674, 15.1069, 1.5069 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 28.3674, 15.1069, 1.5069 by changing the saturation by 10% instead.


 28.3674, 15.1069,
1.5069


 28.3674, 15.1069,
1.5069


 286.2667,
224.0123, 114.1774


 18.7447, 8.8944,
0.2231


 56.4750, 35.0406,
7.6427


 11.5888, 4.6724,
0.0000


 75.6906, 49.5306,
13.5054

 6.5346, 2.0564,
0.0000


 98.8346, 67.5487,
21.7894

 3.2165, 0.6399,
0.0000

 126.2722, 89.4791,
32.9132

 1.2693, 0.0000,
0.0000

 158.3689,
115.7062, 47.2954

 0.1600, 0.0000,
0.0000


 195.4899,


 0.0000, 0.0000,


146.6146, 65.3544


0.0000


 238.0008,
182.5885, 87.5089


 28.3674, 15.1069,
1.5069


 28.3674, 15.1069,
1.5069


 28.2983, 14.9953,
1.4029

 29.0725, 16.2715,
2.5001

 30.2815, 18.1728,
4.4964

 32.0793, 20.9122,
7.7348

 34.5293, 24.5722,
12.3741

 37.6867, 29.2253,
18.5495

■ 41.6008, 34.9367,
26.3804

■ 46.3166, 41.7661,
35.9741

■ 51.8752, 49.7688,
47.4292

■ 58.3153, 58.9962,
60.8368

Harmonies

Analogous

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



33.8180, 15.1069, 9.8491



28.3674, 15.1069, 1.5069



19.6803, 15.1069, 0.0000

Triad

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



28.3674, 15.1069, 1.5069



4.5620, 15.1069, 6.2160



17.2401, 15.1069, 100.1834

Complementary

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



28.3674, 15.1069, 1.5069



31.5891, 43.4973, 71.0204

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.



10.0949, 15.1069, 94.9895



28.3674, 15.1069, 1.5069



4.3091, 15.1069, 25.4857

Square

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



28.3674, 15.1069, 1.5069



6.8223, 15.1069, 0.7749



5.9424, 15.1069, 61.1588



26.0526, 15.1069, 72.1518

Rectangle

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



28.3674, 15.1069, 1.5069



14.1651, 15.1069, 0.0000



5.9424, 15.1069, 61.1588



14.5540, 15.1069, 102.6281

Sweetspot

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



28.3677, 15.1079, 1.5071



66.9035, 59.6490, 50.3704



38.1729, 18.5586, 54.5936



13.6748, 11.8336, 9.4664



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.



28.3677, 15.1079, 1.5071



41.5939, 21.9678, 2.0480



35.5869, 29.5462, 3.9135



12.5214, 12.6169, 12.9361



16.9615, 9.0403, 0.8510



1.0577, 0.6145, 0.0629

Inverse Universe

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



31.5891, 43.4973, 71.0204



46.2660, 63.6520, 104.4553



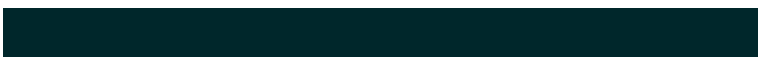
16.0728, 12.4648, 65.8483



12.6820, 13.8875, 15.9497



18.8764, 26.0145, 42.4796



1.1697, 1.6314, 2.5725

Previews

White Background



This preview shows how the XYZ color 28.3674, 15.1069, 1.5069 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 28.3674, 15.1069, 1.5069 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 28.3674, 15.1069, 1.5069

Background



This preview shows how black text looks on a background with the XYZ color 28.3674, 15.1069, 1.5069.



This preview shows how white text looks on a background with the XYZ color 28.3674, 15.1069,

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

28.3674, 15.1069, 1.5069

Protanopia

13.9421, 15.4419, 3.2827

Deuteranopia

15.4315, 15.3039, 2.1406



Tritanopia

28.4243, 15.0973, 1.9062

Trichromacy



Original Color

28.3674, 15.1069, 1.5069

Protanomaly

16.6155, 12.7036, 2.1486

Deuteranomaly

18.2474, 13.1413, 1.6035

Tritanomaly

28.3911, 15.0840, 1.7317

Monochromacy



Original Color

28.3674, 15.1069, 1.5069

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

11.0636, 7.9561, 4.0845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3674, 15.1069, 1.5069 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, 24, 3)` looks like.

```
.text, #text, p{  
    color:rgb(215, 24, 3)  
}
```

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, 24, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 24, 3) }
```

Border

The CSS property to change the border of an element to XYZ 28.3674, 15.1069, 1.5069 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, 24, 3) }
```


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

```
.border{ border-color:rgb(215, 24, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 24, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 24, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 24, 3);  
box-shadow:4px 4px 4px 4px rgb(215, 24, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.3674, 15.1069, 1.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 24, 3) }
```

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

```
.background{ background-color: rgb(215, 24,  
3) }
```

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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