

Converting Colors

XYZ(28.1819, 15.1091, 1.4325)

Have a look what the booklet for
XYZ(28.1819, 15.1091, 1.4325)
contains.

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Color

**XYZ(28.1235, 15.0800,
1.4285)**

Conversions

Conversions Part 1

Format	Color
Hex	D61B00
RGB	214, 27, 0
RGB Percent	84%, 11%, 0%
CMY	0.1608, 0.8940, 1.0000
CMYK	0.00, 0.87, 1.00, 0.16
HSL	8°, 100%, 42%
HSV	8°, 100%, 84%
XYZ	28.1235, 15.0800, 1.4285
YIQ	79.8350, 120.1190, 31.2470

Conversions

Conversions Part 2

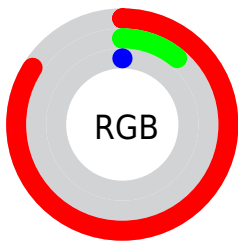
Format	Color
RYB	214, 31, 0
Decimal	14031616
CIELab	45.74, 67.04, 59.28
CIElCh	46, 89.496, 41.484
Yxy	15.0800, 0.6301, 0.3379
Android (android.graphics.Color)	4292221696 (0xFFD61B00)
YUV	79.8350, -39.3587, 117.6627
Hunter-Lab	38.8330, 61.3150, 25.0021

Details

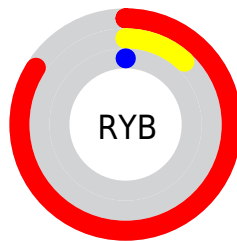
The XYZ color **28.1235, 15.0800, 1.4285** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **29.9034, 40.3867, 69.8372**, and the grayscale version is **7.6529, 8.0514, 8.7680**.

A 20% lighter version of the original color is **46.1125, 29.9016, 6.9556**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **28.1237, 15.0808, 1.4286**, and if you desaturate by 10%, it is **28.8366, 16.2839, 2.3525**.

Distribution



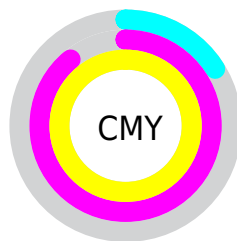
- Red (84%)
- Green (11%)
- Blue (0%)



- Red (84%)
- Yellow (12%)
- Blue (0%)



- Cyan (0%)
- Magenta (87%)
- Yellow (100%)
- Black (16%)





- Cyan (16%)
- Magenta (89%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1235, 15.0800, 1.4285 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 28.1235, 15.0800, 1.4285 by changing the saturation by 10% instead.


 28.1235, 15.0800,
1.4285


 28.1235, 15.0800,
1.4285


 285.1260,
223.8499, 112.7545


 18.5597, 8.8756,
0.1638


 56.0888, 34.9935,
7.4095


 11.4547, 4.6601,
0.0000


 75.2211, 49.4713,
13.1640

 6.4431, 2.0492,
0.0000


 98.2735, 67.4756,
21.3192

 3.1595, 0.6358,
0.0000

 125.6115, 89.3910,
32.2936

 1.2387, 0.0000,
0.0000

 157.6003,
115.6017, 46.5058

 0.1366, 0.0000,
0.0000


 194.6055,


 0.0000, 0.0000,


146.4922, 64.3743


0.0000


 236.9922,
182.4468, 86.3177


 28.1235, 15.0800,
1.4285


 28.1235, 15.0800,
1.4285


 28.1237, 15.0808,
1.4286

 28.8366, 16.2839,
2.3525

 30.0209, 18.1832,
4.1940

 31.7647, 20.8729,
7.2354

 34.1282, 24.4278,
11.6366

 37.1636, 28.9141,
17.5328

■ 40.9172, 34.3913,
25.0428

■ 45.4316, 40.9140,
34.2734

■ 50.7457, 48.5328,
45.3224

■ 56.8959, 57.2950,
58.2800

Harmonies

Analogous

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



33.6862, 15.0800, 9.4775



28.1235, 15.0800, 1.4285



19.4328, 15.0800, 0.0000

Triad

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



28.1235, 15.0800, 1.4285



4.5292, 15.0800, 6.4672



17.4091, 15.0800, 99.6192

Complementary

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



28.1235, 15.0800, 1.4285



29.9034, 40.3867, 69.8372

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.



10.2141, 15.0800, 95.3104



28.1235, 15.0800, 1.4285



4.3196, 15.0800, 26.1219

Square

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



28.1235, 15.0800, 1.4285



6.7299, 15.0800, 0.8266



6.0005, 15.0800, 61.9640



26.2036, 15.0800, 71.0827

Rectangle

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



28.1235, 15.0800, 1.4285



13.9617, 15.0800, 0.0000



6.0005, 15.0800, 61.9640



14.7110, 15.0800, 102.3558

Sweetspot

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



28.1238, 15.0810, 1.4287



67.3435, 60.5290, 50.5171



36.9203, 17.9716, 49.6859



13.7752, 12.0343, 9.4999



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.



28.1238, 15.0810, 1.4287



41.7619, 22.3037, 2.1040



35.9782, 30.7897, 4.0468



12.5484, 12.6709, 12.9451



17.0407, 9.1987, 0.8774



1.0704, 0.6400, 0.0671

Inverse Universe

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



29.9034, 40.3867, 69.8372



44.3849, 59.8898, 103.8283



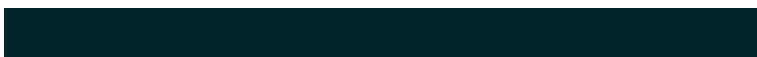
15.1575, 10.8948, 64.9219



12.6522, 13.8278, 15.9397



18.1278, 24.5174, 42.2301



1.1317, 1.5553, 2.5599

Previews

White Background



This preview shows how the XYZ color 28.1235, 15.0800, 1.4285 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 28.1235, 15.0800, 1.4285

Background



This preview shows how black text looks on a background with the XYZ color 28.1235, 15.0800, 1.4285.



This preview shows how white text looks on a background with the XYZ color 28.1235, 15.0800,

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

28.1235, 15.0800, 1.4285

Protanopia

13.9421, 15.4419, 3.2827

Tritanopia

28.2363, 15.0891, 2.1337

Trichromacy



Original Color

28.1235, 15.0800, 1.4285

Protanomaly

16.6801, 12.8457, 2.1306

Tritanomaly

28.1736, 15.0640, 1.8035

Monochromacy



Original Color

28.1235, 15.0800, 1.4285

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

11.3195, 8.2436, 4.1265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1235, 15.0800, 1.4285 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(214, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 27, 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(214, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 27, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.1235, 15.0800, 1.4285 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(214, 27, 0) }
```

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

```
.border{ border-color:rgb(214, 27, 0) }
```

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

Here you see how a box with a 4 pixel rgb(214, 27, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 27, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 28.1235, 15.0800, 1.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 27, 0) }
```

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

```
.background{ background-color: rgb(214, 27,  
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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