

Converting Colors

XYZ(28.6481, 16.0425, 1.5866)

Have a look what the booklet for
XYZ(28.6481, 16.0425, 1.5866)
contains.

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Color

**XYZ(28.5954, 16.0239,
1.5858)**

Conversions

Conversions Part 1

Format	Color
Hex	D62B00
RGB	214, 43, 0
RGB Percent	84%, 17%, 0%
CMY	0.1608, 0.8313, 1.0000
CMYK	0.00, 0.80, 1.00, 0.16
HSL	12°, 100%, 42%
HSV	12°, 100%, 84%
XYZ	28.5954, 16.0239, 1.5858
YIQ	89.2270, 115.7190, 22.8790

Conversions

Conversions Part 2

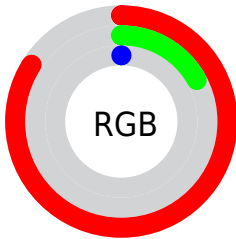
Format	Color
RYB	214, 54, 0
Decimal	14035712
CIELab	47.01, 63.46, 59.79
CIElCh	47, 87.187, 43.295
Yxy	16.0239, 0.6189, 0.3468
Android (android.graphics.Color)	4292225792 (0xFFD62B00)
YUV	89.2270, -43.9889, 109.4259
Hunter-Lab	40.0299, 57.4595, 25.6721

Details

The XYZ color **28.5954, 16.0239, 1.5858** 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 **26.6978, 33.9755, 68.7685**, and the grayscale version is **9.6240, 10.1252, 11.0264**.

A 20% lighter version of the original color is **47.0054, 31.6487, 7.3727**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **28.5956, 16.0247, 1.5859**, and if you desaturate by 10%, it is **29.4922, 17.5953, 2.5710**.

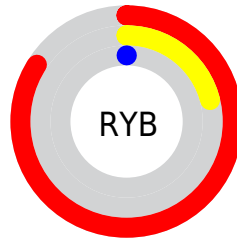
Distribution



Red (84%)

Green (17%)

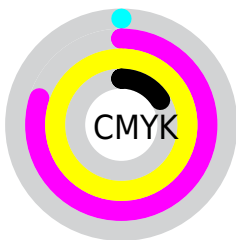
Blue (0%)



Red (84%)

Yellow (21%)

Blue (0%)

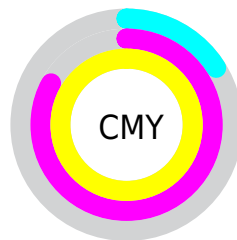


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (83%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5954, 16.0239, 1.5858 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 28.5954, 16.0239, 1.5858 by changing the saturation by 10% instead.


 28.5954, 16.0239,
1.5858


 28.5954, 16.0239,
1.5858


 287.3299,
229.4827, 115.5719


 18.9177, 9.5411,
0.2807


 56.8357, 36.6397,
7.8739


 11.7145, 5.0957,
0.0000


 76.1289, 51.5414,
13.8428

 6.6204, 2.3036,
0.0000


 99.3581, 70.0183,
22.2530

 3.2700, 0.7756,
0.0000

 126.8885, 92.4546,
33.5230

 1.2981, 0.0000,
0.0000

 159.0856,
119.2348, 48.0713

 0.1818, 0.0000,
0.0000


 196.3146,


 0.0000, 0.0000,


150.7433, 66.3165


0.0000


 238.9409,
187.3645, 88.6772


 28.5954, 16.0239,
1.5858


 28.5954, 16.0239,
1.5858


 28.5956, 16.0247,
1.5859

 29.4922, 17.5953,
2.5710

 30.8325, 19.8065,
4.4645

 32.6929, 22.7294,
7.5448

 35.1243, 26.4200,
11.9686

 38.1709, 30.9289,
17.8685

■ 41.8725, 36.3019,
25.3611

■ 46.2653, 42.5815,
34.5512

■ 51.3829, 49.8074,
45.5346

■ 57.2567, 58.0168,
58.4001

Harmonies

Analogous

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



34.4303, 16.0239, 9.4600



28.5954, 16.0239, 1.5858



19.8477, 16.0239, 0.0000

Triad

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



28.5954, 16.0239, 1.5858



5.0581, 16.0239, 7.9435



18.8586, 16.0239, 98.5790

Complementary

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



28.5954, 16.0239, 1.5858



26.6978, 33.9755, 68.7685

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.



11.3910, 16.0239, 96.5407



28.5954, 16.0239, 1.5858



4.9505, 16.0239, 29.0008

Square

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



28.5954, 16.0239, 1.5858



7.2233, 16.0239, 1.2546



6.8543, 16.0239, 65.0201



27.6663, 16.0239, 69.3623

Rectangle

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



28.5954, 16.0239, 1.5858



14.4026, 16.0239, 0.0000



6.8543, 16.0239, 65.0201



16.0890, 16.0239, 101.9685

Sweetspot

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



28.5957, 16.0249, 1.5860



68.5905, 63.0231, 50.9327



35.1010, 17.2440, 40.1064



14.0611, 12.6061, 9.5952



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.



28.5957, 16.0249, 1.5860



42.4350, 23.6500, 2.3283



38.6058, 36.0450, 4.9227



12.6234, 12.8210, 12.9701



17.3437, 9.8047, 0.9784



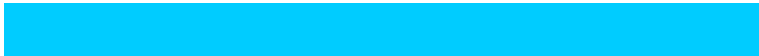
1.1056, 0.7103, 0.0788

Inverse Universe

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



26.6978, 33.9755, 68.7685



39.5824, 50.2847, 102.2275



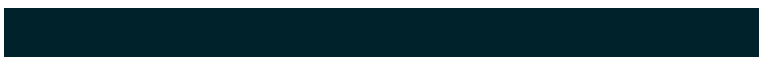
13.9823, 8.5446, 64.5300



12.5703, 13.6641, 15.9124



16.2125, 20.6867, 41.5916



1.0329, 1.3578, 2.5270

Previews

White Background



This preview shows how the XYZ color 28.5954, 16.0239, 1.5858 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 28.5954, 16.0239, 1.5858

Background



This preview shows how black text looks on a background with the XYZ color 28.5954, 16.0239, 1.5858.



This preview shows how white text looks on a background with the XYZ color 28.5954, 16.0239,

1.5858.

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

28.5954, 16.0239, 1.5858

Protanopia

14.6958, 16.3205, 3.3529

Deuteranopia

16.4130, 16.2662, 2.2746



Tritanopia

28.8734, 15.9669, 3.5676

Trichromacy



Original Color

28.5954, 16.0239, 1.5858

Protanomaly

17.6915, 14.2890, 2.3559

Deuteranomaly

19.3188, 14.6655, 1.8125

Tritanomaly

28.7000, 15.9522, 2.4861

Monochromacy



Original Color

28.5954, 16.0239, 1.5858

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

12.8874, 9.9985, 5.1216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5954, 16.0239, 1.5858 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, 43, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 43, 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, 43, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 43, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.5954, 16.0239, 1.5858 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, 43, 0) }
```


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

```
.border{ border-color:rgb(214, 43, 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, 43, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 43, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 43, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 43, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.5954, 16.0239, 1.5858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 43, 0) }
```

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

```
.background{ background-color: rgb(214, 43,  
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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