

Converting Colors

XYZ(29.2115, 17.1694, 1.7744)

Have a look what the booklet for
XYZ(29.2115, 17.1694, 1.7744)
contains.

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Color

**XYZ(29.1457, 17.1245,
1.7692)**

Conversions

Conversions Part 1

Format	Color
Hex	D63800
RGB	214, 56, 0
RGB Percent	84%, 22%, 0%
CMY	0.1608, 0.7803, 1.0000
CMYK	0.00, 0.74, 1.00, 0.16
HSL	16°, 100%, 42%
HSV	16°, 100%, 84%
XYZ	29.1457, 17.1245, 1.7692
YIQ	96.8580, 112.1440, 16.0800

Conversions

Conversions Part 2

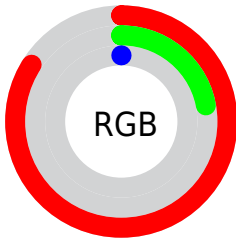
Format	Color
RYB	214, 76, 0
Decimal	14039040
CIELab	48.42, 59.51, 60.41
CIElCh	48, 84.798, 45.427
Yxy	17.1245, 0.6067, 0.3565
Android (android.graphics.Color)	4292229120 (0xFFD63800)
YUV	96.8580, -47.7510, 102.7335
Hunter-Lab	41.3818, 53.3017, 26.4324

Details

The XYZ color **29.1457, 17.1245, 1.7692** 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 **24.3625, 29.3049, 67.9901**, and the grayscale version is **11.4229, 12.0178, 13.0874**.

A 20% lighter version of the original color is **48.0210, 33.6001, 7.9575**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **29.1460, 17.1254, 1.7694**, and if you desaturate by 10%, it is **30.1756, 18.9620, 2.7988**.

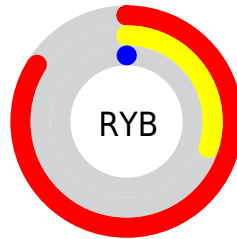
Distribution



Red (84%)

Green (22%)

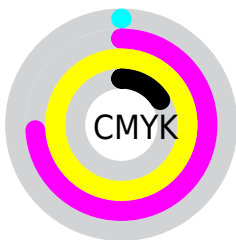
Blue (0%)



Red (84%)

Yellow (30%)

Blue (0%)

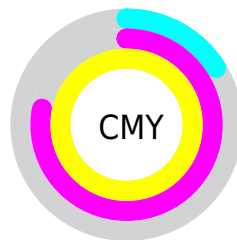


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1457, 17.1245, 1.7692 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 29.1457, 17.1245, 1.7692 by changing the saturation by 10% instead.


 29.1457, 17.1245,
1.7692


 29.1457, 17.1245,
1.7692


 289.8836,
235.8888, 118.6833


 19.3359, 10.3233,
0.4075


 57.7045, 38.5397,
8.3996


 12.0187, 5.6138,
0.0000


 77.1841, 53.9225,
14.6058

 6.8287, 2.6117,
0.0000


 100.6178, 72.9346,
23.2972

 3.4006, 0.9326,
0.0000

 128.3708, 95.9605,
34.8925

 1.3690, 0.0000,
0.0000

 160.8086,
123.3844, 49.8103


 0.2340, 0.0000,
0.0000


 198.2964,


 0.0000, 0.0000,


155.5908, 68.4689


0.0000


 241.1996,
192.9642, 91.2871


 29.1457, 17.1245,
1.7692


 29.1457, 17.1245,
1.7692

 29.1460, 17.1254,
1.7694

 30.1756, 18.9620,
2.7988

 31.6215, 21.3845,
4.7275

 33.5535, 24.4505,
7.8316

 36.0165, 28.2046,
12.2659

 39.0501, 32.6873,
18.1615

■ 42.6893, 37.9357,
25.6332

■ 46.9666, 43.9842,
34.7848

■ 51.9118, 50.8651,
45.7107

■ 57.5527, 58.6089,
58.4984

Harmonies

Analogous

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



35.2990, 17.1245, 9.4359



29.1457, 17.1245, 1.7692



20.3242, 17.1245, 0.0984

Triad

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



29.1457, 17.1245, 1.7692



5.6892, 17.1245, 9.8319



20.5743, 17.1245, 97.5501

Complementary

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



29.1457, 17.1245, 1.7692



24.3625, 29.3049, 67.9901

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.



12.8051, 17.1245, 98.0477



29.1457, 17.1245, 1.7692



5.7178, 17.1245, 32.4704

Square

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



29.1457, 17.1245, 1.7692



7.7968, 17.1245, 1.8645



7.8934, 17.1245, 68.6167



29.3782, 17.1245, 67.5490

Rectangle

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



29.1457, 17.1245, 1.7692



14.9062, 17.1245, 0.0000



7.8934, 17.1245, 68.6167



17.7279, 17.1245, 101.6673

Sweetspot

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



29.1461, 17.1255, 1.7695



69.6399, 65.1220, 51.2826



34.1203, 16.8516, 34.9418



14.3033, 13.0905, 9.6759



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.



29.1461, 17.1255, 1.7695



43.2319, 25.2437, 2.5940



40.3889, 39.6113, 5.5171



12.6849, 12.9441, 12.9906



17.6896, 10.4964, 1.0937



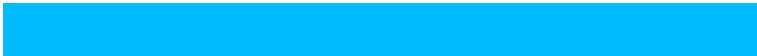
1.1347, 0.7686, 0.0885

Inverse Universe

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



24.3625, 29.3049, 67.9901



36.0884, 43.2967, 101.0628



13.4336, 7.4472, 64.3471



12.5044, 13.5321, 15.8904



14.8142, 17.8902, 41.1255



0.9591, 1.2102, 2.5024

Previews

White Background



This preview shows how the XYZ color 29.1457, 17.1245, 1.7692 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 29.1457, 17.1245, 1.7692

Background



This preview shows how black text looks on a background with the XYZ color 29.1457, 17.1245, 1.7692.



This preview shows how white text looks on a background with the XYZ color 29.1457, 17.1245,

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

29.1457, 17.1245, 1.7692

Protanopia

15.6162, 17.3026, 3.3808

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

29.9182, 17.1694, 5.2272

Trichromacy



Original Color

29.1457, 17.1245, 1.7692

Protanomaly

18.7869, 15.6170, 2.4761

Deuteranomaly

20.4508, 15.9703, 2.0047

Tritanomaly

29.5862, 17.1088, 3.2563

Monochromacy



Original Color

29.1457, 17.1245, 1.7692

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

14.7020, 11.9578, 6.0906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1457, 17.1245, 1.7692 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, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 56, 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, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 56, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.1457, 17.1245, 1.7692 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, 56, 0) }
```


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

```
.border{ border-color:rgb(214, 56, 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, 56, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 56, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.1457, 17.1245, 1.7692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 56, 0) }
```

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

```
.background{ background-color: rgb(214, 56,  
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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