

Converting Colors

XYZ(28.9067, 16.7945, 1.7044)

Have a look what the booklet for
XYZ(28.9067, 16.7945, 1.7044)
contains.

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Color

**XYZ(29.0047, 16.8423,
1.7222)**

Conversions

Conversions Part 1

Format	Color
Hex	D63500
RGB	214, 53, 0
RGB Percent	84%, 21%, 0%
CMY	0.1608, 0.7921, 1.0000
CMYK	0.00, 0.75, 1.00, 0.16
HSL	15°, 100%, 42%
HSV	15°, 100%, 84%
XYZ	29.0047, 16.8423, 1.7222
YIQ	95.0970, 112.9690, 17.6490

Conversions

Conversions Part 2

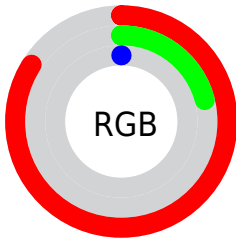
Format	Color
RYB	214, 70, 0
Decimal	14038272
CIELab	48.06, 60.50, 60.25
CIElCh	48, 85.381, 44.879
Yxy	16.8423, 0.6097, 0.3541
Android (android.graphics.Color)	4292228352 (0xFFD63500)
YUV	95.0970, -46.8828, 104.2779
Hunter-Lab	41.0394, 54.3365, 26.2395

Details

The XYZ color **29.0047, 16.8423, 1.7222** 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 **24.8809, 30.3417, 68.1632**, and the grayscale version is **10.9916, 11.5641, 12.5933**.

A 20% lighter version of the original color is **47.6882, 32.9344, 7.8465**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **29.0049, 16.8431, 1.7223**, and if you desaturate by 10%, it is **30.0055, 18.6216, 2.7421**.

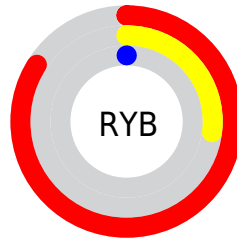
Distribution



Red (84%)

Green (21%)

Blue (0%)



Red (84%)

Yellow (27%)

Blue (0%)

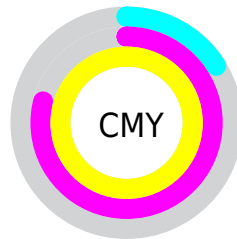


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0047, 16.8423, 1.7222 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 29.0047, 16.8423, 1.7222 by changing the saturation by 10% instead.


 29.0047, 16.8423,
1.7222


 29.0047, 16.8423,
1.7222


 289.2309,
234.2620, 117.9021


 19.2287, 10.1221,
0.3759


 57.4821, 38.0544,
8.2664


 11.9406, 5.4800,
0.0000


 76.9141, 53.3152,
14.4129

 6.7752, 2.5316,
0.0000


 100.2955, 72.1916,
23.0338

 3.3670, 0.8924,
0.0000

 127.9917, 95.0680,
34.5475

 1.3507, 0.0000,
0.0000

 160.3680,
122.3288, 49.3727

 0.2207, 0.0000,
0.0000


 197.7897,


 0.0000, 0.0000,


154.3585, 67.9278


0.0000


 240.6222,
191.5414, 90.6314


 29.0047, 16.8423,
1.7222


 29.0047, 16.8423,
1.7222


 29.0049, 16.8431,
1.7223

 30.0055, 18.6216,
2.7421

 31.4289, 20.9991,
4.6634

 33.3463, 24.0360,
7.7627

 35.8041, 27.7794,
12.1953

 38.8425, 32.2718,
18.0926

■ 42.4978, 37.5523,
25.5698

■ 46.8032, 43.6570,
34.7308

■ 51.7893, 50.6197,
45.6705

■ 57.4847, 58.4724,
58.4766

Harmonies

Analogous

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



35.0762, 16.8423, 9.4424



29.0047, 16.8423, 1.7222



20.2028, 16.8423, 0.0306

Triad

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



29.0047, 16.8423, 1.7222



5.5260, 16.8423, 9.3310



20.1319, 16.8423, 97.7972

Complementary

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



29.0047, 16.8423, 1.7222



24.8809, 30.3417, 68.1632

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.



12.4384, 16.8423, 97.6549



29.0047, 16.8423, 1.7222



5.5180, 16.8423, 31.5695

Square

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



29.0047, 16.8423, 1.7222



7.6499, 16.8423, 1.6960



7.6227, 16.8423, 67.6913



28.9386, 16.8423, 67.9962

Rectangle

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



29.0047, 16.8423, 1.7222



14.7781, 16.8423, 0.0000



7.6227, 16.8423, 67.6913



17.3045, 16.8423, 101.7309

Sweetspot

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



29.0051, 16.8433, 1.7224



69.3947, 64.6315, 51.2008



34.4383, 16.9789, 36.6159



14.2466, 12.9770, 9.6570



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.



29.0051, 16.8433, 1.7224



43.0267, 24.8333, 2.5256



39.7772, 38.3876, 5.3132



12.6707, 12.9156, 12.9858



17.6013, 10.3199, 1.0642



1.1277, 0.7546, 0.0862

Inverse Universe

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



24.8809, 30.3417, 68.1632



36.8634, 44.8468, 101.3211



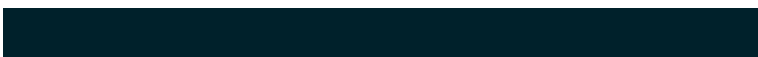
13.6041, 7.7881, 64.4042



12.5196, 13.5625, 15.8955



15.1248, 18.5113, 41.2290



0.9756, 1.2433, 2.5079

Previews

White Background



This preview shows how the XYZ color 29.0047, 16.8423, 1.7222 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 29.0047, 16.8423, 1.7222

Background



This preview shows how black text looks on a background with the XYZ color 29.0047, 16.8423, 1.7222.



This preview shows how white text looks on a background with the XYZ color 29.0047, 16.8423,

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

29.0047, 16.8423, 1.7222

Protanopia

15.3595, 16.9988, 3.3913

Deuteranopia

17.1457, 16.9570, 2.3694



Tritanopia

29.7625, 16.9673, 4.8383

Trichromacy



Original Color

29.0047, 16.8423, 1.7222

Protanomaly

18.4179, 15.1653, 2.4467

Deuteranomaly

20.1499, 15.6908, 1.9666

Tritanomaly

29.4689, 16.9190, 3.0790

Monochromacy



Original Color

29.0047, 16.8423, 1.7222

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.1655, 11.4668, 5.7417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0047, 16.8423, 1.7222 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, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 53, 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, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 53, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.0047, 16.8423, 1.7222 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, 53, 0) }
```


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

```
.border{ border-color:rgb(214, 53, 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, 53, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.0047, 16.8423, 1.7222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 53, 0) }
```

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

```
.background{ background-color: rgb(214, 53,  
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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