

Converting Colors

XYZ(28.7481, 16.3292, 1.6367)

Have a look what the booklet for
XYZ(28.7481, 16.3292, 1.6367)
contains.

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Color

**XYZ(28.7481, 16.3292,
1.6367)**

Conversions

Conversions Part 1

Format	Color
Hex	D62F00
RGB	214, 47, 0
RGB Percent	84%, 18%, 0%
CMY	0.1608, 0.8156, 1.0000
CMYK	0.00, 0.78, 1.00, 0.16
HSL	13°, 100%, 42%
HSV	13°, 100%, 84%
XYZ	28.7481, 16.3292, 1.6367
YIQ	91.5750, 114.6190, 20.7870

Conversions

Conversions Part 2

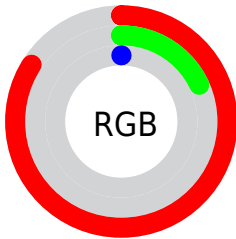
Format	Color
R _Y B	214, 60, 0
Decimal	14036736
CIE Lab	47.40, 62.34, 59.96
CIE LCh	47, 86.493, 43.884
Yxy	16.3292, 0.6154, 0.3496
Android (android.graphics.Color)	4292226816 (0xFFD62F00)
YUV	91.5750, -45.1465, 107.3667
Hunter-Lab	40.4094, 56.2722, 25.8852

Details

The XYZ color **28.7481, 16.3292, 1.6367** 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 **25.9541, 32.4882, 68.5208**, and the grayscale version is **10.1584, 10.6874, 11.6386**.

A 20% lighter version of the original color is **47.2362, 32.0708, 7.5716**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **28.7483, 16.3300, 1.6368**, and if you desaturate by 10%, it is **29.6877, 17.9862, 2.6362**.

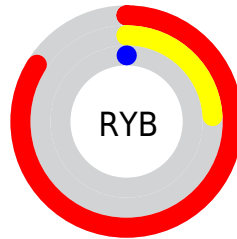
Distribution



Red (84%)

Green (18%)

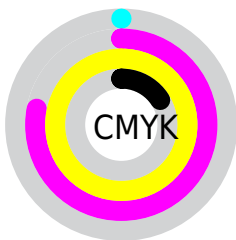
Blue (0%)



Red (84%)

Yellow (24%)

Blue (0%)

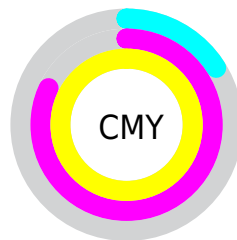


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7481, 16.3292, 1.6367 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 28.7481, 16.3292, 1.6367 by changing the saturation by 10% instead.


 28.7481, 16.3292,
1.6367


 28.7481, 16.3292,
1.6367


 288.0403,
231.2765, 116.4529


 19.0337, 9.7574,
0.3168


 57.0770, 37.1688,
8.0214


 11.7988, 5.2384,
0.0000


 76.4221, 52.2053,
14.0574

 6.6780, 2.3878,
0.0000


 99.7082, 70.8323,
22.5473

 3.3061, 0.8196,
0.0000

 127.3006, 93.4340,
33.9095

 1.3176, 0.0000,
0.0000

 159.5646,
120.3949, 48.5626

 0.1964, 0.0000,
0.0000


 196.8657,


 0.0000, 0.0000,


152.0993, 66.9252


0.0000


 239.5691,
188.9317, 89.4158


 28.7481, 16.3292,
1.6367


 28.7481, 16.3292,
1.6367

 28.7483, 16.3300,
1.6368

 29.6877, 17.9862,
2.6362

 31.0627, 20.2668,
4.5413

 32.9475, 23.2384,
7.6298

 35.3909, 26.9532,
12.0577

 38.4357, 31.4584,
17.9571

■ 42.1201, 36.7970,
25.4440

■ 46.4791, 43.0089,
34.6228

■ 51.5449, 50.1311,
45.5891

■ 57.3479, 58.1989,
58.4310

Harmonies

Analogous

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



34.6712, 16.3292, 9.4537



28.7481, 16.3292, 1.6367



19.9806, 16.3292, 0.0000

Triad

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



28.7481, 16.3292, 1.6367



5.2316, 16.3292, 8.4497



19.3319, 16.3292, 98.2752

Complementary

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



28.7481, 16.3292, 1.6367



25.9541, 32.4882, 68.5208

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.



11.7789, 16.3292, 96.9516



28.7481, 16.3292, 1.6367



5.1600, 16.3292, 29.9513

Square

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



28.7481, 16.3292, 1.6367



7.3825, 16.3292, 1.4110



7.1380, 16.3292, 66.0143



28.1405, 16.3292, 68.8399

Rectangle

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



28.7481, 16.3292, 1.6367



14.5434, 16.3292, 0.0000



7.1380, 16.3292, 66.0143



16.5402, 16.3292, 101.8700

Sweetspot

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



28.7484, 16.3302, 1.6369



68.9098, 63.6618, 51.0392



34.7652, 17.1096, 38.3372



14.1346, 12.7532, 9.6197



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.



28.7484, 16.3302, 1.6369



42.6551, 24.0902, 2.4017



39.1828, 37.1989, 5.1150



12.6423, 12.8588, 12.9764



17.4402, 9.9976, 1.0105



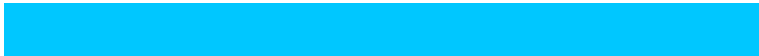
1.1144, 0.7279, 0.0818

Inverse Universe

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



25.9541, 32.4882, 68.5208



38.4691, 48.0582, 101.8564



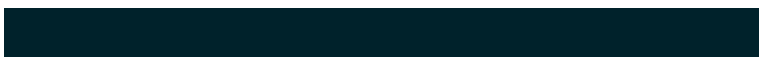
13.7869, 8.1537, 64.4650



12.5500, 13.6234, 15.9056



15.7675, 19.7967, 41.4433



1.0096, 1.3112, 2.5192

Previews

White Background



This preview shows how the XYZ color 28.7481, 16.3292, 1.6367 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 28.7481, 16.3292, 1.6367 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 28.7481, 16.3292, 1.6367

Background



This preview shows how black text looks on a background with the XYZ color 28.7481, 16.3292, 1.6367.



This preview shows how white text looks on a background with the XYZ color 28.7481, 16.3292,

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

28.7481, 16.3292, 1.6367

Protanopia

14.9452, 16.6168, 3.3394

Deuteranopia

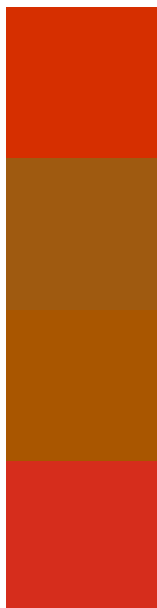
16.6903, 16.5648, 2.3176



Tritanopia

29.0869, 16.2794, 3.9921

Trichromacy



Original Color

28.7481, 16.3292, 1.6367

Protanomaly

18.0478, 14.7207, 2.3804

Deuteranomaly

19.6900, 15.0906, 1.8750

Tritanomaly

28.8795, 16.2568, 2.7144

Monochromacy



Original Color

28.7481, 16.3292, 1.6367

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

13.5272, 10.7189, 5.4937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7481, 16.3292, 1.6367 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, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 47, 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, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 47, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7481, 16.3292, 1.6367 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, 47, 0) }
```


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

```
.border{ border-color:rgb(214, 47, 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, 47, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 47, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7481, 16.3292, 1.6367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 47, 0) }
```

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

```
.background{ background-color: rgb(214, 47,  
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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