

Converting Colors

XYZ(28.4263, 14.5808, 4.6514)

Have a look what the booklet for
XYZ(28.4263, 14.5808, 4.6514)
contains.

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Color

**XYZ(28.3742, 14.5532,
4.6817)**

Conversions

Conversions Part 1

Format	Color
Hex	D60035
RGB	214, 0, 53
RGB Percent	84%, 0%, 21%
CMY	0.1608, 0.9998, 0.7922
CMYK	0.00, 1.00, 0.75, 0.16
HSL	345°, 100%, 42%
HSV	345°, 100%, 84%
XYZ	28.3742, 14.5532, 4.6817
YIQ	70.0280, 110.5310, 61.8510

Conversions

Conversions Part 2

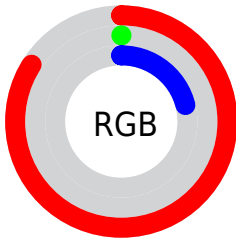
Format	Color
R_{YB}	214, 0, 53
Decimal	14024757
CIE Lab	45.02, 71.17, 35.13
CIE LCh	45, 79.368, 26.274
Yxy	14.5532, 0.5960, 0.3057
Android (android.graphics.Color)	4292214837 (0xFFD60035)
YUV	70.0280, -8.3948, 126.2634
Hunter-Lab	38.1487, 66.0045, 19.4278

Details

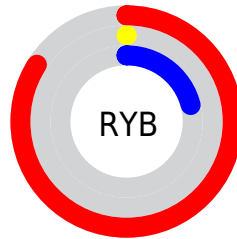
The XYZ color **28.3742, 14.5532, 4.6817** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **30.4841, 50.6680, 41.9128**, and the grayscale version is **5.8310, 6.1347, 6.6807**.

A 20% lighter version of the original color is **47.0300, 29.1595, 15.2062**, and **12.6381, 6.5082, 0.9067** is the 20% darker color. If you saturate the color by 10%, you get **28.3732, 14.5528, 4.6775**, and if you desaturate by 10%, it is **29.0853, 15.2799, 7.0635**.

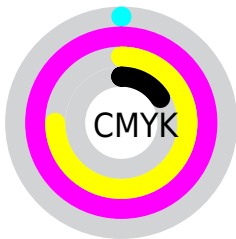
Distribution



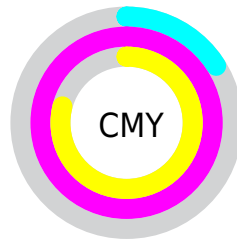
- Red (84%)
- Green (0%)
- Blue (21%)



- Red (84%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3742, 14.5532, 4.6817 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 28.3742, 14.5532, 4.6817 by changing the saturation by 10% instead.


 28.3742, 14.5532,
4.6817


 28.3742, 14.5532,
4.6817


286.2984,
220.6457, 155.5253


 18.7498, 8.5064,
2.0063


 56.4858, 34.0674,
15.5537


 11.5926, 4.4207,
0.5591


 75.7037, 48.3037,
24.5874

 6.5371, 1.9116,
0.0000


 98.8502, 66.0385,
36.5776

 3.2181, 0.5553,
0.0000

 126.2906, 87.6564,
51.9429

 1.2701, 0.0000,
0.0000

 158.3903,
113.5416, 71.1018

 0.1607, 0.0000,
0.0000

 195.5146,

 0.0000, 0.0000,

144.0786, 94.4728

0.0000

238.0288,
179.6519, 122.4744

■ 28.3742, 14.5532,
4.6817

■ 28.3742, 14.5532,
4.6817

■ 28.3732, 14.5528,
4.6775

■ 29.0853, 15.2799,
7.0635

■ 30.2377, 16.6719,
10.2618

■ 31.9430, 18.9364,
14.3633

■ 34.2663, 22.1895,
19.4345

■ 37.2634, 26.5290,
25.5348

■ 40.9835, 32.0410,
32.7188

■ 45.4709, 38.8029,
41.0371

■ 50.7666, 46.8853,
50.5368

■ 56.9084, 56.3539,
61.2625

Harmonies

Analogous

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



30.4698, 14.5532, 18.2926



28.3742, 14.5532, 4.6817



22.0154, 14.5532, 0.8112

Triad

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



28.3742, 14.5532, 4.6817



5.8125, 14.5532, 3.1096



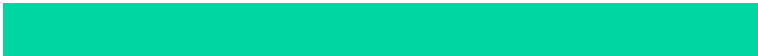
13.0345, 14.5532, 85.3401

Complementary

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



28.3742, 14.5532, 4.6817



30.4841, 50.6680, 41.9128

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.



7.9793, 14.5532, 68.3064



28.3742, 14.5532, 4.6817



4.7214, 14.5532, 13.6278

Square

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



28.3742, 14.5532, 4.6817



8.9965, 14.5532, 0.4507



5.3678, 14.5532, 37.6145



20.1494, 14.5532, 74.6671

Rectangle

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



28.3742, 14.5532, 4.6817



17.0216, 14.5532, 0.0358



5.3678, 14.5532, 37.6145



11.0687, 14.5532, 82.4592

Sweetspot

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



28.3745, 14.5541, 4.6819



67.3879, 57.3513, 60.6025



26.7377, 12.3824, 64.5988



13.7883, 11.3146, 11.8039



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.



28.3745, 14.5541, 4.6819



42.1404, 21.6201, 6.6712



29.0293, 16.8914, 1.7317



12.5481, 12.4707, 13.5603



17.1850, 8.8103, 3.0122



1.0698, 0.5447, 0.3572

Inverse Universe

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



28.3745, 14.5541, 4.6819



42.1404, 21.6201, 6.6712



24.7978, 30.1746, 68.1353



12.5481, 12.4707, 13.5603



17.1850, 8.8103, 3.0122



1.0698, 0.5447, 0.3572

Previews

White Background



This preview shows how the XYZ color 28.3742, 14.5532, 4.6817 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 28.3742, 14.5532, 4.6817 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 28.3742, 14.5532, 4.6817

Background



This preview shows how black text looks on a background with the XYZ color 28.3742, 14.5532, 4.6817.



This preview shows how white text looks on a background with the XYZ color 28.3742, 14.5532,

4.6817.

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

28.3742, 14.5532, 4.6817

Protanopia

14.2527, 15.2984, 9.7911

Deuteranopia

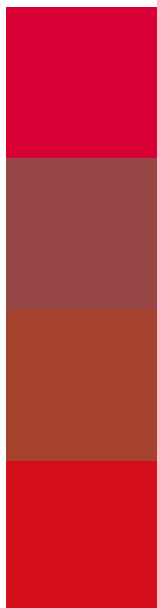
15.2422, 15.0115, 4.1920



Tritanopia

27.8067, 14.7517, 1.7972

Trichromacy



Original Color

28.3742, 14.5532, 4.6817

Protanomaly

16.1825, 11.3738, 7.1368

Deuteranomaly

17.7317, 11.9784, 3.8601

Tritanomaly

27.8072, 14.5441, 2.4403

Monochromacy



Original Color

28.3742, 14.5532, 4.6817

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

9.8898, 6.3845, 5.5616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3742, 14.5532, 4.6817 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, 0, 53)` looks like.

```
.text, #text, p{  
  color:rgb(214, 0, 53)  
}
```

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, 0, 53) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 28.3742, 14.5532, 4.6817 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, 0, 53) }
```


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

```
.border{ border-color:rgb(214, 0, 53) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 53) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 28.3742, 14.5532, 4.6817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(214, 0,  
53) }
```

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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