

Converting Colors

XYZ(29.0612, 17.9070, 4.4080)

Have a look what the booklet for
XYZ(29.0612, 17.9070, 4.4080)
contains.

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Color

**XYZ(29.0592, 17.9054,
4.4071)**

Conversions

Conversions Part 1

Format	Color
Hex	D2432D
RGB	210, 67, 45
RGB Percent	82%, 26%, 18%
CMY	0.1765, 0.7372, 0.8235
CMYK	0.00, 0.68, 0.79, 0.18
HSL	8°, 65%, 50%
HSV	8°, 79%, 82%
XYZ	29.0592, 17.9054, 4.4071
YIQ	107.2490, 92.2900, 23.4740

Conversions

Conversions Part 2

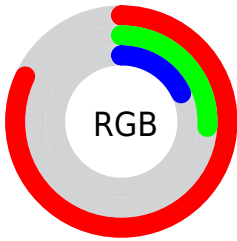
Format	Color
R _Y B	210, 70, 45
Decimal	13779757
CIE Lab	49.38, 55.02, 44.06
CIE LCh	49, 70.486, 38.686
Yxy	17.9054, 0.5657, 0.3485
Android (android.graphics.Color)	4291969837 (0xFFD2432D)
YUV	107.2490, -30.6888, 90.1126
Hunter-Lab	42.3148, 48.5320, 23.4453

Details

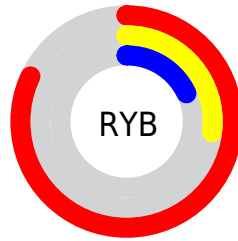
The XYZ color **29.0592, 17.9054, 4.4071** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **30.6963, 41.1737, 67.3019**, and the grayscale version is **14.1098, 14.8447, 16.1658**.

A 20% lighter version of the original color is **50.2987, 36.2162, 14.6953**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **27.8335, 15.9483, 2.4755**, and if you desaturate by 10%, it is **30.8265, 20.6247, 7.5106**.

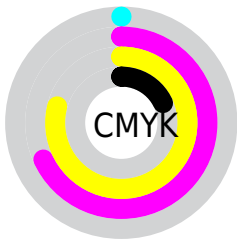
Distribution



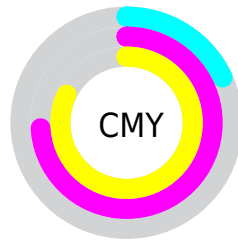
- Red (82%)
- Green (26%)
- Blue (18%)



- Red (82%)
- Yellow (27%)
- Blue (18%)



- Cyan (0%)
- Magenta (68%)
- Yellow (79%)
- Black (18%)





- Cyan (18%)
- Magenta (74%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0592, 17.9054, 4.4071 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 29.0592, 17.9054, 4.4071 by changing the saturation by 10% instead.


 29.0592, 17.9054,
4.4071


 29.0592, 17.9054,
4.4071


289.4833,
240.3373, 152.6482


 19.2701, 10.8821,
1.8512


 57.5680, 39.8761,
14.9383


 11.9708, 5.9876,
0.4614

 77.0185, 55.5922,
23.7507

 6.7958, 2.8375,
0.0000

 100.4201, 74.9748,
35.4856

 3.3799, 1.0475,
0.0000

 128.1383, 98.4081,
50.5617

 1.3577, 0.0000,
0.0000

 160.5383,
126.2766, 69.3975

 0.2258, 0.0000,
0.0000

 197.9856,

 0.0000, 0.0000,

158.9647, 92.4115

0.0000

240.8455,
196.8568, 120.0222

■ 29.0592, 17.9054,
4.4071

■ 29.0592, 17.9054,
4.4071

■ 27.8335, 15.9483,
2.4755

■ 30.8265, 20.6247,
7.5106

■ 27.0746, 14.6680,
1.4904

■ 33.1894, 24.1714,
11.9332

■ 26.9937, 14.5326,
1.3823

■ 36.1963, 28.6068,
17.8014

■ 39.8903, 33.9857,
25.2265

■ 44.3108, 40.3585,
34.3089

■ 49.4940, 47.7720,
45.1406

■ 55.4739, 56.2698,
57.8068

■ 62.2823, 65.8933,
72.3871

■ 69.9492, 76.6815,
88.9565

Harmonies

Analogous

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



33.0201, 17.9054, 14.4782



29.0592, 17.9054, 4.4071



22.0949, 17.9054, 1.4186

Triad

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



29.0592, 17.9054, 4.4071



7.6789, 17.9054, 8.9951



19.0207, 17.9054, 82.5986

Complementary

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



29.0592, 17.9054, 4.4071



30.6963, 41.1737, 67.3019

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.



12.7861, 17.9054, 77.2661



29.0592, 17.9054, 4.4071



7.2591, 17.9054, 25.5566

Square

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



29.0592, 17.9054, 4.4071



10.2196, 17.9054, 2.6153



8.8701, 17.9054, 52.4529



26.3131, 17.9054, 64.2439

Rectangle

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



29.0592, 17.9054, 4.4071



17.3131, 17.9054, 1.0271



8.8701, 17.9054, 52.4529



16.7273, 17.9054, 83.6762

Sweetspot

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



29.0596, 17.9065, 4.4074



72.0670, 67.3699, 60.1266



36.5937, 19.2092, 49.3559



14.8284, 13.5647, 11.6271



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.



29.0596, 17.9065, 4.4074



42.3558, 23.3502, 2.7379



37.8786, 35.5445, 7.3471



11.9341, 12.0588, 12.3106



16.5080, 8.9489, 0.8572



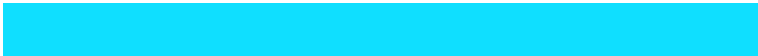
0.9656, 0.5855, 0.0621

Inverse Universe

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



30.6963, 41.1737, 67.3019



44.6469, 60.1141, 103.8578



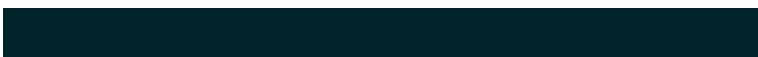
17.8177, 15.4164, 63.0091



12.0183, 13.1269, 15.1440



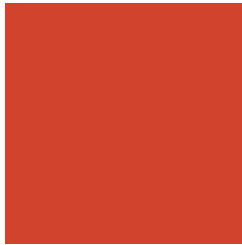
17.3518, 23.3503, 40.7850



1.0084, 1.3819, 2.2932

Previews

White Background



This preview shows how the XYZ color 29.0592, 17.9054, 4.4071 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 29.0592, 17.9054, 4.4071 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0592, 17.9054, 4.4071

Background



This preview shows how black text looks on a background with the XYZ color 29.0592, 17.9054, 4.4071.



This preview shows how white text looks on a background with the XYZ color 29.0592, 17.9054,

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

29.0592, 17.9054, 4.4071

Protanopia

16.5000, 18.0289, 6.8853

Deuteranopia

18.2814, 17.9940, 3.9485



Tritanopia

29.7105, 17.9209, 7.2034

Trichromacy



Original Color

29.0592, 17.9054, 4.4071

Protanomaly

19.4495, 16.5704, 5.7877

Deuteranomaly

21.3114, 17.1572, 3.9387

Tritanomaly

29.5437, 17.9452, 6.0443

Monochromacy



Original Color

29.0592, 17.9054, 4.4071

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

16.9290, 14.2237, 10.2407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0592, 17.9054, 4.4071 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(210, 67, 45)` looks like.

```
.text, #text, p{  
    color:rgb(210, 67, 45)  
}
```

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(210, 67, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 67, 45) }
```

Border

The CSS property to change the border of an element to XYZ 29.0592, 17.9054, 4.4071 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(210, 67, 45) }
```


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

```
.border{ border-color:rgb(210, 67, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 67, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 67, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 67, 45);  
box-shadow:4px 4px 4px 4px rgb(210, 67,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0592, 17.9054, 4.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 67, 45) }
```

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

```
.background{ background-color: rgb(210, 67,  
45) }
```

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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