

Converting Colors

XYZ(28.8283, 17.1844, 4.1232)

Have a look what the booklet for
XYZ(28.8283, 17.1844, 4.1232)
contains.

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Color

**XYZ(28.9159, 17.2550,
4.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	D33C2B
RGB	211, 60, 43
RGB Percent	83%, 24%, 17%
CMY	0.1726, 0.7647, 0.8314
CMYK	0.00, 0.72, 0.80, 0.17
HSL	6°, 66%, 50%
HSV	6°, 80%, 83%
XYZ	28.9159, 17.2550, 4.0920
YIQ	103.2110, 95.4530, 26.7250

Conversions

Conversions Part 2

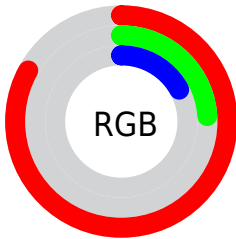
Format	Color
RYB	211, 62, 43
Decimal	13843499
CIELab	48.58, 57.92, 44.35
CIElCh	49, 72.951, 37.443
Yxy	17.2550, 0.5753, 0.3433
Android (android.graphics.Color)	4292033579 (0xFFD33C2B)
YUV	103.2110, -29.6840, 94.5310
Hunter-Lab	41.5391, 51.5625, 23.2368

Details

The XYZ color **28.9159, 17.2550, 4.0920** 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 **32.0436, 43.7958, 68.3922**, and the grayscale version is **13.0075, 13.6849, 14.9029**.

A 20% lighter version of the original color is **49.4468, 34.7208, 13.7685**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **27.8022, 15.4955, 2.2796**, and if you desaturate by 10%, it is **30.5862, 19.8083, 7.0768**.

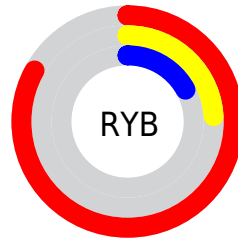
Distribution



Red (83%)

Green (24%)

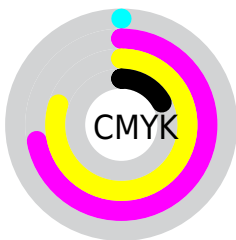
Blue (17%)



Red (83%)

Yellow (24%)

Blue (17%)

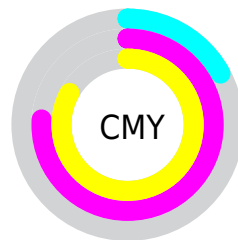


Cyan (0%)

Magenta (72%)

Yellow (80%)

Black (17%)



Cyan (17%)


Magenta (76%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9159, 17.2550, 4.0920 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 28.9159, 17.2550, 4.0920 by changing the saturation by 10% instead.


 28.9159, 17.2550,
4.0920


 28.9159, 17.2550,
4.0920


288.8193,
236.6376, 149.2425


 19.1612, 10.4165,
1.6760


 57.3419, 38.7637,
14.2214


 11.8915, 5.6760,
0.3442


 76.7439, 54.2026,
22.7718

 6.7415, 2.6491,
0.0000


 100.0924, 73.2772,
34.2041

 3.3459, 0.9514,
0.0000

 127.7527, 96.3717,
48.9368

 1.3392, 0.0000,
0.0000

 160.0902,
123.8706, 67.3885

 0.2123, 0.0000,
0.0000

 197.4702,

 0.0000, 0.0000,

156.1583, 89.9776

0.0000

240.2581,
193.6192, 117.1228

■ 28.9159, 17.2550,
4.0920

■ 28.9159, 17.2550,
4.0920

■ 27.8022, 15.4955,
2.2796

■ 30.5862, 19.8083,
7.0768

■ 27.1567, 14.4276,
1.3765


■ 32.8733, 23.2316,
11.3877


■ 27.1387, 14.3986,
1.3488


■ 35.8308, 27.5952,
17.1557


■ 39.5059, 32.9618,
24.4959

■ 43.9416, 39.3884,
33.5119

 49.1777, 46.9278,
44.2984

 55.2508, 55.6292,
56.9430

 62.1957, 65.5389,
71.5276

 70.0448, 76.7008,
88.1291

Harmonies

Analogous

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



32.7965, 17.2550, 14.3985



28.9159, 17.2550, 4.0920



21.8606, 17.2550, 1.1573

Triad

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



28.9159, 17.2550, 4.0920



7.1419, 17.2550, 7.8840



18.1281, 17.2550, 84.3459

Complementary

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



28.9159, 17.2550, 4.0920



32.0436, 43.7958, 68.3922

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.



11.9347, 17.2550, 77.6879



28.9159, 17.2550, 4.0920



6.6494, 17.2550, 23.9890

Square

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



28.9159, 17.2550, 4.0920



9.7437, 17.2550, 2.0753



8.1452, 17.2550, 51.3701



25.5552, 17.2550, 66.0039

Rectangle

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



28.9159, 17.2550, 4.0920



16.9823, 17.2550, 0.7606



8.1452, 17.2550, 51.3701



15.8318, 17.2550, 85.0949

Sweetspot

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



28.9163, 17.2560, 4.0923



71.6086, 66.4529, 59.9738



37.4878, 19.4806, 52.9409



14.7216, 13.3509, 11.5915



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.



28.9163, 17.2560, 4.0923



41.8965, 22.4836, 2.4245



37.2429, 33.9092, 6.8678



11.9037, 11.9980, 12.3005



16.4135, 8.7599, 0.8258



0.9513, 0.5570, 0.0574

Inverse Universe

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



32.0436, 43.7958, 68.3922



46.5342, 63.9989, 104.5082



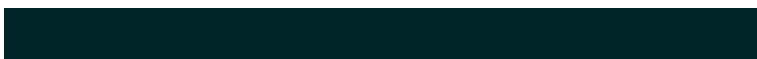
18.3517, 16.4119, 63.8282



12.0518, 13.1940, 15.1551



18.2044, 25.0553, 41.0692



1.0481, 1.4613, 2.3064

Previews

White Background



This preview shows how the XYZ color 28.9159, 17.2550, 4.0920 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 28.9159, 17.2550, 4.0920 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 28.9159, 17.2550, 4.0920

Background



This preview shows how black text looks on a background with the XYZ color 28.9159, 17.2550, 4.0920.



This preview shows how white text looks on a background with the XYZ color 28.9159, 17.2550,

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

28.9159, 17.2550, 4.0920

Protanopia

15.9369, 17.3957, 6.6554

Deuteranopia

17.6643, 17.3566, 3.6474



Tritanopia

29.4800, 17.3494, 6.0700

Trichromacy



Original Color

28.9159, 17.2550, 4.0920

Protanomaly

18.9260, 15.8919, 5.4381

Deuteranomaly

20.7081, 16.3217, 3.6491

Tritanomaly

29.3812, 17.3913, 5.2983

Monochromacy



Original Color

28.9159, 17.2550, 4.0920

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.0487, 13.1613, 9.4791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9159, 17.2550, 4.0920 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(211, 60, 43)` looks like.

```
.text, #text, p{  
    color:rgb(211, 60, 43)  
}
```

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(211, 60, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 60, 43) }
```

Border

The CSS property to change the border of an element to XYZ 28.9159, 17.2550, 4.0920 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(211, 60, 43) }
```


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

```
.border{ border-color:rgb(211, 60, 43) }
```

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

Here you see how a box with a 4 pixel rgb(211, 60, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 60, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 60, 43);  
box-shadow:4px 4px 4px 4px rgb(211, 60,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9159, 17.2550, 4.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 60, 43) }
```

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

```
.background{ background-color: rgb(211, 60,  
43) }
```

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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