

Converting Colors

XYZ(28.9644, 17.5429, 7.6614)

Have a look what the booklet for
XYZ(28.9644, 17.5429, 7.6614)
contains.

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Color

**XYZ(28.9513, 17.5189,
7.6499)**

Conversions

Conversions Part 1

Format	Color
Hex	D04046
RGB	208, 64, 70
RGB Percent	82%, 25%, 27%
CMY	0.1843, 0.7490, 0.7255
CMYK	0.00, 0.69, 0.66, 0.18
HSL	358°, 61%, 53%
HSV	358°, 69%, 82%
XYZ	28.9513, 17.5189, 7.6499
YIQ	107.7400, 83.8980, 32.3940

Conversions

Conversions Part 2

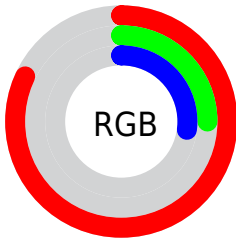
Format	Color
RYB	208, 64, 70
Decimal	13647942
CIELab	48.91, 56.65, 29.38
CIElCh	49, 63.813, 27.416
Yxy	17.5189, 0.5349, 0.3237
Android (android.graphics.Color)	4291838022 (0xFFD04046)
YUV	107.7400, -18.6058, 87.9280
Hunter-Lab	41.8556, 50.2203, 18.4625

Details

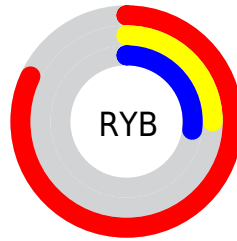
The XYZ color **28.9513, 17.5189, 7.6499** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **35.3324, 50.4665, 63.7614**, and the grayscale version is **14.2161, 14.9564, 16.2875**.

A 20% lighter version of the original color is **51.2265, 36.0009, 21.3885**, and **12.0519, 6.1901, 1.5965** is the 20% darker color. If you saturate the color by 10%, you get **27.4609, 15.3837, 4.5471**, and if you desaturate by 10%, it is **31.0885, 20.6140, 11.9987**.

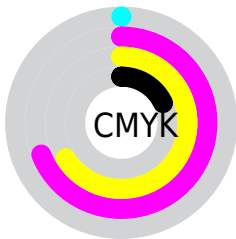
Distribution



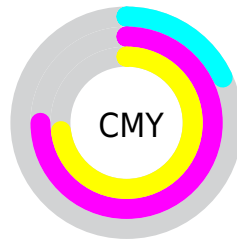
- Red (82%)
- Green (25%)
- Blue (27%)



- Red (82%)
- Yellow (25%)
- Blue (27%)



- Cyan (0%)
- Magenta (69%)
- Yellow (66%)
- Black (18%)





- Cyan (18%)
- Magenta (75%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9513, 17.5189, 7.6499 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 28.9513, 17.5189, 7.6499 by changing the saturation by 10% instead.


 28.9513, 17.5189,
7.6499


 28.9513, 17.5189,
7.6499


288.9835,
238.1452, 182.7905


 19.1881, 10.6051,
3.7872


 57.3978, 39.2158,
21.8039


 11.9111, 5.8020,
1.5093


 76.8118, 54.7678,
32.9323


 6.7549, 2.7251,
0.2249


 100.1734, 73.9679,
47.3197

 3.3543, 0.9899,
0.0000

 127.8480, 97.2006,
65.3847

 1.3438, 0.0000,
0.0000

 160.2010,
124.8503, 87.5457

 0.2156, 0.0000,
0.0000

197.5976,

 0.0000, 0.0000,

157.3014, 114.2213

0.0000

240.4033,
194.9382, 145.8300

■ 28.9513, 17.5189,
7.6499

■ 28.9513, 17.5189,
7.6499

■ 27.4609, 15.3837,
4.5471

■ 31.0885, 20.6140,
11.9987

■ 26.5431, 14.0938,
2.5585

■ 33.9335, 24.7606,
17.7054

■ 26.0856, 13.4671,
1.5174

■ 37.5417, 30.0430,
24.8704

■ 26.0597, 13.4288,
1.4670

■ 41.9626, 36.5361,
33.5845

■ 47.2415, 44.3085,
43.9309

■ 53.4204, 53.4237,
55.9871

■ 60.5385, 63.9408,
69.8254

■ 68.6327, 75.9154,
85.5143

■ 77.7380, 89.4003,
103.1183

Harmonies

Analogous

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



30.8238, 17.5189, 20.5844



28.9513, 17.5189, 7.6499



23.5717, 17.5189, 2.6749

Triad

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



28.9513, 17.5189, 7.6499



8.7776, 17.5189, 6.3462



16.1428, 17.5189, 73.7676

Complementary

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



28.9513, 17.5189, 7.6499



35.3324, 50.4665, 63.7614

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.



11.2381, 17.5189, 61.8961



28.9513, 17.5189, 7.6499



7.6655, 17.5189, 17.6414

Square

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



28.9513, 17.5189, 7.6499



11.9366, 17.5189, 2.2971



8.4467, 17.5189, 38.3900



22.4677, 17.5189, 65.1768

Rectangle

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



28.9513, 17.5189, 7.6499



19.2590, 17.5189, 1.6638



8.4467, 17.5189, 38.3900



14.2901, 17.5189, 71.9334

Sweetspot

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



28.9517, 17.5199, 7.6502



73.0922, 67.5876, 66.1177



37.2527, 20.6117, 61.6891



15.1312, 13.7101, 13.1461



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.



28.9517, 17.5199, 7.6502



42.7400, 23.2627, 5.5047



34.7626, 29.4293, 8.7002



11.8284, 11.8161, 12.3721



16.2508, 8.3731, 0.9607



0.9158, 0.4710, 0.0914

Inverse Universe

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



28.9517, 17.5199, 7.6502



42.7400, 23.2627, 5.5047



23.3532, 25.3506, 63.3364



11.8284, 11.8161, 12.3721



16.2508, 8.3731, 0.9607



0.9158, 0.4710, 0.0914

Previews

White Background



This preview shows how the XYZ color 28.9513, 17.5189, 7.6499 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 28.9513, 17.5189, 7.6499 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 28.9513, 17.5189, 7.6499

Background



This preview shows how black text looks on a background with the XYZ color 28.9513, 17.5189, 7.6499.



This preview shows how white text looks on a background with the XYZ color 28.9513, 17.5189,

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

28.9513, 17.5189, 7.6499

Protanopia

16.7071, 17.8379, 12.4600

Deuteranopia

17.8816, 17.5563, 7.0037



Tritanopia

28.8892, 17.4940, 7.3229

Trichromacy



Original Color

28.9513, 17.5189, 7.6499

Protanomaly

19.4466, 16.3285, 10.3104

Deuteranomaly

20.8932, 16.6026, 7.1044

Tritanomaly

28.9200, 17.5064, 7.4850

Monochromacy



Original Color

28.9513, 17.5189, 7.6499

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.3491, 14.3917, 12.4532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9513, 17.5189, 7.6499 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(208, 64, 70)` looks like.

```
.text, #text, p{  
    color:rgb(208, 64, 70)  
}
```

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(208, 64, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 64, 70) }
```

Border

The CSS property to change the border of an element to XYZ 28.9513, 17.5189, 7.6499 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(208, 64, 70) }
```


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

```
.border{ border-color:rgb(208, 64, 70) }
```

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

Here you see how a box with a 4 pixel rgb(208, 64, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 64, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 64, 70);  
box-shadow:4px 4px 4px 4px rgb(208, 64,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9513, 17.5189, 7.6499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 64, 70) }
```

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

```
.background{ background-color: rgb(208, 64,  
70) }
```

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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