

Converting Colors

XYZ(28.1365, 17.2381, 2.7740)

Have a look what the booklet for
XYZ(28.1365, 17.2381, 2.7740)
contains.

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Color

**XYZ(28.0213, 17.1469,
2.7525)**

Conversions

Conversions Part 1

Format	Color
Hex	D04019
RGB	208, 64, 25
RGB Percent	82%, 25%, 10%
CMY	0.1843, 0.7490, 0.9020
CMYK	0.00, 0.69, 0.88, 0.18
HSL	13°, 79%, 46%
HSV	13°, 88%, 82%
XYZ	28.0213, 17.1469, 2.7525
YIQ	102.6100, 98.3430, 18.3990

Conversions

Conversions Part 2

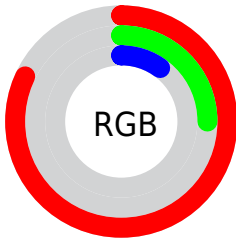
Format	Color
RYB	208, 75, 25
Decimal	13647897
CIELab	48.44, 55.00, 52.41
CIElCh	48, 75.974, 43.622
Yxy	17.1469, 0.5847, 0.3578
Android (android.graphics.Color)	4291837977 (0xFFD04019)
YUV	102.6100, -38.2617, 92.4270
Hunter-Lab	41.4088, 48.3253, 25.0451

Details

The XYZ color **28.0213, 17.1469, 2.7525** 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 **25.9722, 33.1332, 64.7005**, and the grayscale version is **12.8697, 13.5400, 14.7450**.

A 20% lighter version of the original color is **49.1925, 35.1874, 10.6777**, and **11.6771, 6.0197, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **27.0777, 15.5039, 1.6861**, and if you desaturate by 10%, it is **29.3977, 19.3981, 4.7591**.

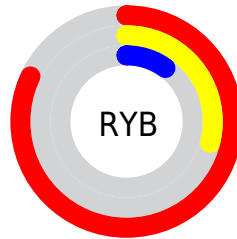
Distribution



Red (82%)

Green (25%)

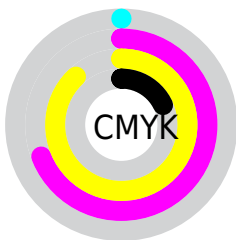
Blue (10%)



Red (82%)

Yellow (29%)

Blue (10%)

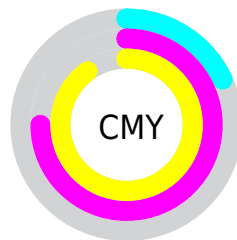


Cyan (0%)

Magenta (69%)

Yellow (88%)

Black (18%)



Cyan (18%)


Magenta (75%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0213, 17.1469, 2.7525 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 28.0213, 17.1469, 2.7525 by changing the saturation by 10% instead.


 28.0213, 17.1469,
2.7525


 28.0213, 17.1469,
2.7525


284.6469,
236.0175, 133.1431


 18.4823, 10.3393,
0.9697


 55.9269, 38.5782,
11.0114


 11.3986, 5.6245,
0.0000


 75.0241, 53.9706,
18.3245


 6.4048, 2.6181,
0.0000


 98.0380, 72.9935,
28.3181

 3.1358, 0.9358,
0.0000

 125.3342, 96.0311,
41.4108

 1.2260, 0.0000,
0.0000

 157.2777,
123.4679, 58.0212


 0.1267, 0.0000,
0.0000


 194.2342,


 0.0000, 0.0000,


155.6883, 78.5676


0.0000


 236.5688,
193.0767, 103.4688


 28.0213, 17.1469,
2.7525

 28.0213, 17.1469,
2.7525


 27.0777, 15.5039,
1.6861


 29.3977, 19.3981,
4.7591

 26.9255, 15.2364,
1.5218

 31.2643, 22.3121,
7.9066

 33.6662, 25.9390,
12.3353

 36.6426, 30.3226,
18.1651

 40.2291, 35.5035,
25.5018

■ 44.4580, 41.5190,
34.4410

■ 49.3596, 48.4042,
45.0704

■ 54.9618, 56.1920,
57.4712

■ 61.2914, 64.9137,
71.7195

Harmonies

Analogous

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



33.0547, 17.1469, 11.0251



28.0213, 17.1469, 2.7525



20.3667, 17.1469, 0.7435

Triad

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



28.0213, 17.1469, 2.7525



6.5399, 17.1469, 9.8192



19.6542, 17.1469, 86.1038

Complementary

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



28.0213, 17.1469, 2.7525



25.9722, 33.1332, 64.7005

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.



12.8102, 17.1469, 84.7893



28.0213, 17.1469, 2.7525



6.4498, 17.1469, 29.2199

Square

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



28.0213, 17.1469, 2.7525



8.7033, 17.1469, 2.4047



8.4073, 17.1469, 59.5148



27.3735, 17.1469, 62.3816

Rectangle

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



28.0213, 17.1469, 2.7525



15.4674, 17.1469, 0.5385



8.4073, 17.1469, 59.5148



17.1570, 17.1469, 88.9064

Sweetspot

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



28.0217, 17.1479, 2.7528



71.7092, 67.5541, 57.2333



33.7487, 17.0607, 40.2424



14.8070, 13.6937, 11.0898



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.



28.0217, 17.1479, 2.7528



42.5758, 23.9317, 2.3753



37.5953, 36.2952, 5.9440



12.0101, 12.2109, 12.3360



16.8395, 9.6120, 0.9678



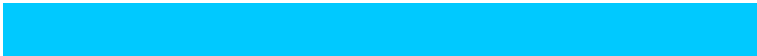
1.0009, 0.6561, 0.0739

Inverse Universe

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



25.9722, 33.1332, 64.7005



38.8535, 48.8270, 101.9845



14.6474, 10.4835, 60.9256



11.9356, 12.9614, 15.1164



15.4048, 19.4562, 40.1360



0.9160, 1.1973, 2.2624

Previews

White Background



This preview shows how the XYZ color 28.0213, 17.1469, 2.7525 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 28.0213, 17.1469, 2.7525 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 28.0213, 17.1469, 2.7525

Background



This preview shows how black text looks on a background with the XYZ color 28.0213, 17.1469, 2.7525.



This preview shows how white text looks on a background with the XYZ color 28.0213, 17.1469,

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

28.0213, 17.1469, 2.7525

Protanopia

15.8012, 17.3765, 4.3549

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

28.8076, 17.1459, 6.4938

Trichromacy



Original Color

28.0213, 17.1469, 2.7525

Protanomaly

18.6498, 15.9283, 3.5304

Deuteranomaly

20.3258, 16.2834, 2.3302

Tritanomaly

28.5176, 17.1145, 4.7061

Monochromacy



Original Color

28.0213, 17.1469, 2.7525

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.8269, 13.3155, 8.3926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0213, 17.1469, 2.7525 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(208, 64, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 64, 25) }
```

Border

The CSS property to change the border of an element to XYZ 28.0213, 17.1469, 2.7525 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, 25) }
```


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

```
.border{ border-color:rgb(208, 64, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 64, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 64, 25);  
box-shadow:4px 4px 4px 4px rgb(208, 64,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0213, 17.1469, 2.7525 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, 25) }
```

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

```
.background{ background-color: rgb(208, 64,  
25) }
```

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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