

Converting Colors

XYZ(28.7817, 17.1515, 2.1414)

Have a look what the booklet for
XYZ(28.7817, 17.1515, 2.1414)
contains.

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Color

**XYZ(28.7817, 17.1515,
2.1414)**

Conversions

Conversions Part 1

Format	Color
Hex	D43B0C
RGB	212, 59, 12
RGB Percent	83%, 23%, 5%
CMY	0.1686, 0.7686, 0.9529
CMYK	0.00, 0.72, 0.94, 0.17
HSL	14°, 89%, 44%
HSV	14°, 94%, 83%
XYZ	28.7817, 17.1515, 2.1414
YIQ	99.3890, 106.2750, 17.8190

Conversions

Conversions Part 2

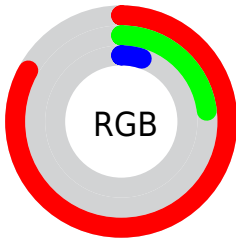
Format	Color
R_{YB}	212, 73, 12
Decimal	13908748
CIE Lab	48.45, 57.96, 57.14
CIE LCh	48, 81.385, 44.591
Yxy	17.1515, 0.5987, 0.3568
Android (android.graphics.Color)	4292098828 (0xFFD43B0C)
YUV	99.3890, -43.0828, 98.7598
Hunter-Lab	41.4144, 51.5768, 25.9244

Details

The XYZ color **28.7817, 17.1515, 2.1414** 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 **25.4885, 31.7382, 67.0696**, and the grayscale version is **12.0458, 12.6732, 13.8011**.

A 20% lighter version of the original color is **48.4395, 34.1324, 9.0362**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **28.2845, 16.2637, 1.6484**, and if you desaturate by 10%, it is **29.9601, 19.1710, 3.5750**.

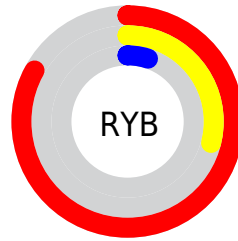
Distribution



Red (83%)

Green (23%)

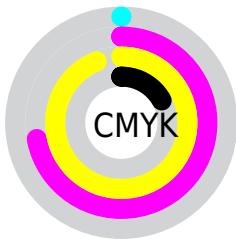
Blue (5%)



Red (83%)

Yellow (29%)

Blue (5%)

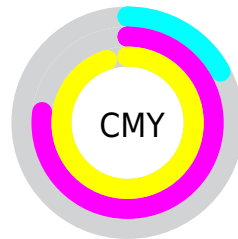


Cyan (0%)

Magenta (72%)

Yellow (94%)

Black (17%)



Cyan (17%)


Magenta (77%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7817, 17.1515, 2.1414 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 28.7817, 17.1515, 2.1414 by changing the saturation by 10% instead.


 28.7817, 17.1515,
2.1414


 28.7817, 17.1515,
2.1414

288.1964,
236.0439, 124.5352


 19.0592, 10.3426,
0.6402


 57.1300, 38.5861,
9.4239


 11.8173, 5.6267,
0.0000


 76.4866, 53.9805,
16.0773


 6.6907, 2.6194,
0.0000


 99.7852, 73.0055,
25.2968

 3.3140, 0.9364,
0.0000

 127.3912, 96.0456,
37.5009

 1.3219, 0.0000,
0.0000

 159.6699,
123.4851, 53.1083

 0.1995, 0.0000,
0.0000


 196.9868,


 0.0000, 0.0000,


155.7084, 72.5375


0.0000


 239.7072,
193.0998, 96.2069


 28.7817, 17.1515,
2.1414


 28.7817, 17.1515,
2.1414


 28.2845, 16.2637,
1.6484

 29.9601, 19.1710,
3.5750

 31.6057, 21.8255,
6.0866

 33.7688, 25.1671,
9.8429

 36.4920, 29.2411,
14.9814

 39.8133, 34.0890,
21.6213

■ 43.7670, 39.7487,
29.8686

■ 48.3849, 46.2559,
39.8200

■ 53.6964, 53.6438,
51.5641

■ 59.7293, 61.9441,
65.1838

Harmonies

Analogous

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



34.4698, 17.1515, 10.1280



28.7817, 17.1515, 2.1414



20.4129, 17.1515, 0.3548

Triad

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



28.7817, 17.1515, 2.1414



6.0233, 17.1515, 9.7565



20.1843, 17.1515, 93.1791

Complementary

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



28.7817, 17.1515, 2.1414



25.4885, 31.7382, 67.0696

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.



12.7838, 17.1515, 92.7373



28.7817, 17.1515, 2.1414



5.9961, 17.1515, 31.0367

Square

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



28.7817, 17.1515, 2.1414



8.1704, 17.1515, 2.0452



8.0795, 17.1515, 64.8323



28.5711, 17.1515, 65.7861

Rectangle

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



28.7817, 17.1515, 2.1414



15.1818, 17.1515, 0.1686



8.0795, 17.1515, 64.8323



17.4760, 17.1515, 96.7023

Sweetspot

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



28.7821, 17.1525, 2.1417



70.5928, 66.1899, 54.1832



34.1046, 16.9887, 37.2381



14.4661, 13.2589, 10.2151



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.



28.7821, 17.1525, 2.1417



42.8526, 24.4852, 2.4675



39.5584, 38.7052, 5.7338



12.6578, 12.8899, 12.9816



17.5261, 10.1694, 1.0392



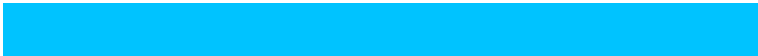
1.1216, 0.7424, 0.0842

Inverse Universe

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



25.4885, 31.7382, 67.0696



37.5790, 46.2781, 101.5597



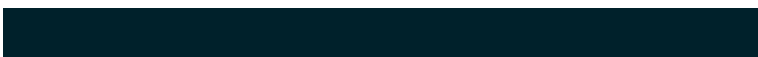
13.9447, 8.6507, 63.2217



12.5333, 13.5900, 15.9001



15.4113, 19.0845, 41.3246



0.9908, 1.2736, 2.5129

Previews

White Background



This preview shows how the XYZ color 28.7817, 17.1515, 2.1414 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



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 28.7817, 17.1515, 2.1414

Background



This preview shows how black text looks on a background with the XYZ color 28.7817, 17.1515, 2.1414.



This preview shows how white text looks on a background with the XYZ color 28.7817, 17.1515,

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

28.7817, 17.1515, 2.1414

Protanopia

15.6609, 17.3204, 3.6164

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

29.5453, 17.1739, 5.6286

Trichromacy



Original Color

28.7817, 17.1515, 2.1414

Protanomaly

18.7342, 15.7159, 2.8051

Deuteranomaly

20.3406, 16.0370, 2.1382

Tritanomaly

29.2550, 17.1346, 3.8632

Monochromacy



Original Color

28.7817, 17.1515, 2.1414

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.9987, 12.3213, 6.8979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7817, 17.1515, 2.1414 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(212, 59, 12)` looks like.

```
.text, #text, p{  
    color:rgb(212, 59, 12)  
}
```

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(212, 59, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 59, 12) }
```

Border

The CSS property to change the border of an element to XYZ 28.7817, 17.1515, 2.1414 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(212, 59, 12) }
```


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

```
.border{ border-color:rgb(212, 59, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 59, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 59, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 59, 12);  
box-shadow:4px 4px 4px 4px rgb(212, 59,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7817, 17.1515, 2.1414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 59, 12) }
```

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

```
.background{ background-color: rgb(212, 59,  
12) }
```

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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