

Converting Colors

XYZ(28.6732, 14.7663, 2.0319)

Have a look what the booklet for
XYZ(28.6732, 14.7663, 2.0319)
contains.

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Color

**XYZ(28.7506, 14.8059,
2.0520)**

Conversions

Conversions Part 1

Format	Color
Hex	D90015
RGB	217, 0, 21
RGB Percent	85%, 0%, 8%
CMY	0.1490, 0.9998, 0.9176
CMYK	0.00, 1.00, 0.90, 0.15
HSL	354°, 100%, 43%
HSV	354°, 100%, 85%
XYZ	28.7506, 14.8059, 2.0520
YIQ	67.2770, 122.5910, 52.5350

Conversions

Conversions Part 2

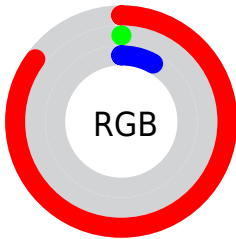
Format	Color
RYB	217, 0, 21
Decimal	14221333
CIELab	45.37, 71.13, 52.58
CIElCh	45, 88.452, 36.475
Yxy	14.8059, 0.6304, 0.3246
Android (android.graphics.Color)	4292411413 (0xFFD90015)
YUV	67.2770, -22.8146, 131.3071
Hunter-Lab	38.4784, 66.0357, 23.7731

Details

The XYZ color **28.7506, 14.8059, 2.0520** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **34.7828, 53.6134, 60.7700**, and the grayscale version is **5.4050, 5.6865, 6.1926**.

A 20% lighter version of the original color is **45.7731, 28.6568, 8.5876**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **28.7499, 14.8055, 2.0497**, and if you desaturate by 10%, it is **29.2906, 15.4733, 3.5048**.

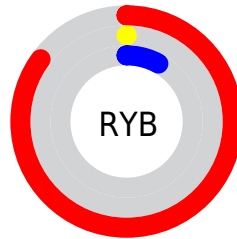
Distribution



Red (85%)

Green (0%)

Blue (8%)



Red (85%)

Yellow (0%)

Blue (8%)

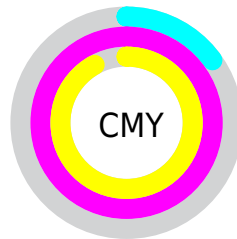


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7506, 14.8059, 2.0520 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 28.7506, 14.8059, 2.0520 by changing the saturation by 10% instead.


 28.7506, 14.8059,
2.0520


 28.7506, 14.8059,
2.0520


288.0519,
222.1884, 123.1791


 19.0356, 8.6833,
0.5870


 57.0809, 34.5123,
9.1825

 11.8001, 4.5352,
0.0000


 76.4269, 48.8649,
15.7321

 6.6790, 1.9772,
0.0000


 99.7139, 66.7296,
24.8293

 3.3067, 0.5942,
0.0000

 127.3073, 88.4907,
36.8928

 1.3179, 0.0000,
0.0000

 159.5725,
114.5328, 52.3409


 0.1966, 0.0000,
0.0000


 196.8747,


 0.0000, 0.0000,


145.2402, 71.5923


0.0000


 239.5794,
180.9972, 95.0655


 28.7506, 14.8059,
2.0520


 28.7506, 14.8059,
2.0520


 28.7499, 14.8055,
2.0497

 29.2906, 15.4733,
3.5048

 30.3166, 16.8409,
5.9569

 31.9552, 19.1262,
9.5611

 34.2835, 22.4530,
14.4367

 37.3672, 26.9261,
20.6881

■ 41.2643, 32.6373,
28.4088

■ 46.0271, 39.6692,
37.6841

■ 51.7035, 48.0973,
48.5927

■ 58.3379, 57.9913,
61.2081

Harmonies

Analogous

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



33.2768, 14.8059, 11.9780



28.7506, 14.8059, 2.0520



20.4931, 14.8059, 0.0000

Triad

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



28.7506, 14.8059, 2.0520



4.6916, 14.8059, 4.7691



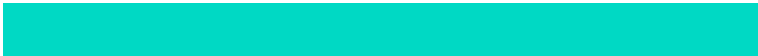
15.7254, 14.8059, 98.9037

Complementary

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



28.7506, 14.8059, 2.0520



34.7828, 53.6134, 60.7700

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.



9.1563, 14.8059, 88.8665



28.7506, 14.8059, 2.0520



4.1898, 14.8059, 21.1238

Square

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



28.7506, 14.8059, 2.0520



7.2380, 14.8059, 0.4959



5.4994, 14.8059, 54.0797



24.2438, 14.8059, 75.3846

Rectangle

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



28.7506, 14.8059, 2.0520



14.9585, 14.8059, 0.0000



5.4994, 14.8059, 54.0797



13.2223, 14.8059, 99.5129

Sweetspot

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



28.7509, 14.8069, 2.0522



66.1110, 56.8405, 53.8782



35.1092, 16.6535, 67.0089



13.4953, 11.1974, 10.2609



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.



28.7509, 14.8069, 2.0522



41.4114, 21.3286, 2.8327



32.0098, 21.5408, 2.4722



13.1069, 13.0718, 13.8240



17.4214, 8.9696, 1.3329



1.1465, 0.5882, 0.1804

Inverse Universe

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



28.7509, 14.8069, 2.0522



41.4114, 21.3286, 2.8327



20.5369, 21.0341, 68.6225



13.1069, 13.0718, 13.8240



17.4214, 8.9696, 1.3329



1.1465, 0.5882, 0.1804

Previews

White Background



This preview shows how the XYZ color 28.7506, 14.8059, 2.0520 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 28.7506, 14.8059, 2.0520 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 28.7506, 14.8059, 2.0520

Background



This preview shows how black text looks on a background with the XYZ color 28.7506, 14.8059, 2.0520.



This preview shows how white text looks on a background with the XYZ color 28.7506, 14.8059,

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

28.7506, 14.8059, 2.0520

Protanopia

13.9850, 15.4426, 4.2511

Deuteranopia

15.4315, 15.3039, 2.1406

Trichromacy



Original Color

28.7506, 14.8059, 2.0520

Protanomaly

16.3693, 11.6582, 2.8263

Deuteranomaly

17.9284, 12.1295, 1.6260

Monochromacy



Original Color

28.7506, 14.8059, 2.0520

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.4656, 6.0956, 3.6953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7506, 14.8059, 2.0520 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(217, 0, 21)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 21)  
}
```

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(217, 0, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 21) }
```

Border

The CSS property to change the border of an element to XYZ 28.7506, 14.8059, 2.0520 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(217, 0, 21) }
```

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

```
.border{ border-color:rgb(217, 0, 21) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 21)  
}
```


Background

The CSS property to change the background color of an element to XYZ 28.7506, 14.8059, 2.0520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 21) }
```

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

```
.background{ background-color: rgb(217, 0,  
21) }
```

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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