

Converting Colors

XYZ(28.6540, 14.7600, 1.9289)

Have a look what the booklet for
XYZ(28.6540, 14.7600, 1.9289)
contains.

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Color

**XYZ(28.7245, 14.7954,
1.9141)**

Conversions

Conversions Part 1

Format	Color
Hex	D90012
RGB	217, 0, 18
RGB Percent	85%, 0%, 7%
CMY	0.1490, 0.9998, 0.9294
CMYK	0.00, 1.00, 0.92, 0.15
HSL	355°, 100%, 43%
HSV	355°, 100%, 85%
XYZ	28.7245, 14.7954, 1.9141
YIQ	66.9350, 123.5540, 51.6020

Conversions

Conversions Part 2

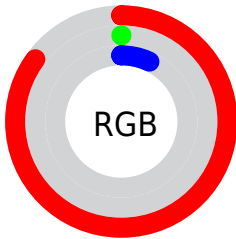
Format	Color
R_{YB}	217, 0, 18
Decimal	14221330
CIE Lab	45.35, 71.09, 53.78
CIE LCh	45, 89.136, 37.108
Yxy	14.7954, 0.6322, 0.3256
Android (android.graphics.Color)	4292411410 (0xFFD90012)
YUV	66.9350, -24.1250, 131.6070
Hunter-Lab	38.4648, 65.9858, 23.9749

Details

The XYZ color **28.7245, 14.7954, 1.9141** 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 **35.1277, 53.7515, 62.5856**, and the grayscale version is **5.3522, 5.6309, 6.1321**.

A 20% lighter version of the original color is **45.7131, 28.6328, 8.2716**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **28.7239, 14.7952, 1.9122**, and if you desaturate by 10%, it is **29.2455, 15.4552, 3.2674**.

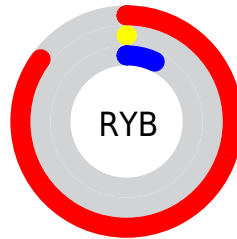
Distribution



Red (85%)

Green (0%)

Blue (7%)



Red (85%)

Yellow (0%)

Blue (7%)

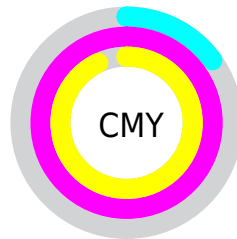


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (15%)



Cyan (15%)

Magenta (100%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7245, 14.7954, 1.9141 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 28.7245, 14.7954, 1.9141 by changing the saturation by 10% instead.

■ 28.7245, 14.7954,
1.9141

■ 28.7245, 14.7954,
1.9141

287.9306,
222.1245, 121.0283

■ 19.0157, 8.6759,
0.5017

■ 57.0397, 34.4939,
8.8046

■ 11.7857, 4.5304,
0.0000

■ 76.3768, 48.8416,
15.1898

■ 6.6691, 1.9745,
0.0000

■ 99.6541, 66.7009,
24.0930

■ 3.3005, 0.5926,
0.0000

■ 127.2369, 88.4562,
35.9328

■ 1.3146, 0.0000,
0.0000

■ 159.4906,
114.4917, 51.1277


■ 0.1941, 0.0000,
0.0000


■ 196.7806,


■ 0.0000, 0.0000,


145.1921, 70.0962


0.0000


 239.4721,
180.9415, 93.2569

 28.7245, 14.7954,
1.9141


 28.7245, 14.7954,
1.9141

 28.7239, 14.7952,
1.9122

 29.2455, 15.4552,
3.2674

 30.2542, 16.8157,
5.6287

 31.8788, 19.0953,
9.1595

 34.1976, 22.4181,
13.9856

 37.2774, 26.8895,
20.2165

■ 41.1768, 32.6015,
27.9501

■ 45.9491, 39.6370,
37.2756

■ 51.6426, 48.0717,
48.2750

■ 58.3024, 57.9757,
61.0249

Harmonies

Analogous

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



33.4189, 14.7954, 11.5778



28.7245, 14.7954, 1.9141



20.3511, 14.7954, 0.0000

Triad

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



28.7245, 14.7954, 1.9141



4.6094, 14.7954, 4.8932



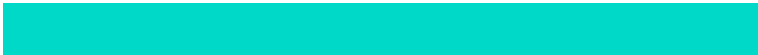
15.8964, 14.7954, 99.7312

Complementary

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



28.7245, 14.7954, 1.9141



35.1277, 53.7515, 62.5856

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.



9.2246, 14.7954, 90.2866



28.7245, 14.7954, 1.9141



4.1454, 14.7954, 21.6923

Square

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



28.7245, 14.7954, 1.9141



7.1099, 14.7954, 0.4969



5.4974, 14.7954, 55.2869



24.5044, 14.7954, 75.3027

Rectangle

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



28.7245, 14.7954, 1.9141



14.7924, 14.7954, 0.0000



5.4974, 14.7954, 55.2869



13.3572, 14.7954, 100.6139

Sweetspot

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



28.7248, 14.7964, 1.9143



65.9991, 56.7957, 53.2890



36.0569, 17.1420, 67.0536



13.4698, 11.1872, 10.1269



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.



28.7248, 14.7964, 1.9143



41.3763, 21.3145, 2.6477



32.3092, 22.1393, 2.5718



13.0996, 13.0689, 13.7855



17.4038, 8.9626, 1.2406



1.1430, 0.5868, 0.1621

Inverse Universe

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



28.7248, 14.7964, 1.9143



41.3763, 21.3145, 2.6477



20.0632, 20.0865, 68.4649



13.0996, 13.0689, 13.7855



17.4038, 8.9626, 1.2406



1.1430, 0.5868, 0.1621

Previews

White Background



This preview shows how the XYZ color 28.7245, 14.7954, 1.9141 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 28.7245, 14.7954, 1.9141 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 28.7245, 14.7954, 1.9141

Background



This preview shows how black text looks on a background with the XYZ color 28.7245, 14.7954, 1.9141.



This preview shows how white text looks on a background with the XYZ color 28.7245, 14.7954,

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

28.7245, 14.7954, 1.9141

Protanopia

14.0782, 15.4964, 3.9994

Deuteranopia

15.4315, 15.3039, 2.1406



Tritanopia

28.2745, 14.9474, 1.3949

Trichromacy



Original Color

28.7245, 14.7954, 1.9141

Protanomaly

16.3291, 11.6422, 2.6148

Deuteranomaly

17.9229, 12.1273, 1.5972

Tritanomaly

28.5012, 14.9021, 1.5752

Monochromacy



Original Color

28.7245, 14.7954, 1.9141

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.4443, 6.0871, 3.5829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7245, 14.7954, 1.9141 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 18) }
```

Border

The CSS property to change the border of an element to XYZ 28.7245, 14.7954, 1.9141 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, 18) }
```


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

```
.border{ border-color:rgb(217, 0, 18) }
```

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, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7245, 14.7954, 1.9141 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, 18) }
```

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

```
.background{ background-color: rgb(217, 0,  
18) }
```

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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