

Converting Colors

XYZ(27.0868, 13.9596, 1.4565)

Have a look what the booklet for
XYZ(27.0868, 13.9596, 1.4565)
contains.

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Color

**XYZ(27.1897, 14.0124,
1.4726)**

Conversions

Conversions Part 1

Format	Color
Hex	D40007
RGB	212, 0, 7
RGB Percent	83%, 0%, 3%
CMY	0.1686, 0.9998, 0.9725
CMYK	0.00, 1.00, 0.97, 0.17
HSL	358°, 100%, 42%
HSV	358°, 100%, 83%
XYZ	27.1897, 14.0124, 1.4726
YIQ	64.1860, 124.1050, 47.1210

Conversions

Conversions Part 2

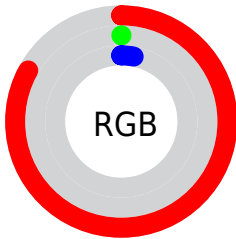
Format	Color
RYB	212, 0, 7
Decimal	13893639
CIELab	44.25, 69.75, 56.23
CIElCh	44, 89.593, 38.874
Yxy	14.0124, 0.6371, 0.3284
Android (android.graphics.Color)	4292083719 (0xFFD40007)
YUV	64.1860, -28.1927, 129.6329
Hunter-Lab	37.4331, 64.1461, 23.8708

Details

The XYZ color **27.1897, 14.0124, 1.4726** 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 **34.5690, 51.4969, 65.9055**, and the grayscale version is **4.9331, 5.1900, 5.6519**.

A 20% lighter version of the original color is **45.4119, 28.3819, 7.0878**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **27.1892, 14.0122, 1.4713**, and if you desaturate by 10%, it is **27.6276, 14.6239, 2.4344**.

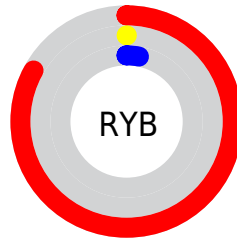
Distribution



Red (83%)

Green (0%)

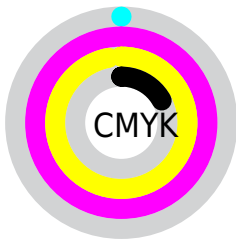
Blue (3%)



Red (83%)

Yellow (0%)

Blue (3%)

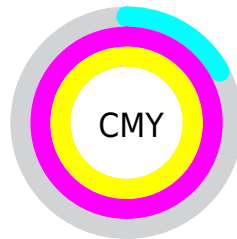


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (17%)



Cyan (17%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.1897, 14.0124, 1.4726 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 27.1897, 14.0124, 1.4726 by changing the saturation by 10% instead.


 27.1897, 14.0124,
1.4726


 27.1897, 14.0124,
1.4726


 280.7253,
217.3080, 113.5596


 17.8531, 8.1293,
0.1974


 54.6059, 33.1110,
7.5411


 10.9436, 4.1778,
0.0000


 73.4161, 47.0953,
13.3568


 6.0959, 1.7735,
0.0000


 96.1149, 64.5488,
21.5849

 2.9447, 0.4706,
0.0000

 123.0677, 85.8559,
32.6439

 1.1246, 0.0000,
0.0000

 154.6398,
111.4010, 46.9523


 0.0455, 0.0000,
0.0000


 191.1965,


 0.0000, 0.0000,


141.5684, 64.9287


0.0000


 233.1032,
176.7426, 86.9916


 27.1897, 14.0124,
1.4726


 27.1897, 14.0124,
1.4726


 27.1892, 14.0122,
1.4713

 27.6276, 14.6239,
2.4344

 28.5288, 15.8983,
4.3624

 30.0239, 18.0478,
7.4526

 32.1916, 21.1916,
11.8490

 35.0987, 25.4303,
17.6747

■ 38.8037, 30.8522,
25.0387

■ 43.3594, 37.5367,
34.0394

■ 48.8141, 45.5562,
44.7669

■ 55.2124, 54.9776,
57.3049

Harmonies

Analogous

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



32.1068, 14.0124, 9.9417



27.1897, 14.0124, 1.4726



18.9297, 14.0124, 0.0000

Triad

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



27.1897, 14.0124, 1.4726



4.1546, 14.0124, 4.9937



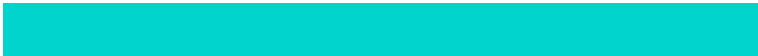
15.5599, 14.0124, 96.9377

Complementary

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



27.1897, 14.0124, 1.4726



34.5690, 51.4969, 65.9055

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.



8.9425, 14.0124, 89.6480



27.1897, 14.0124, 1.4726



3.8141, 14.0124, 22.1930

Square

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



27.1897, 14.0124, 1.4726



6.4053, 14.0124, 0.4575



5.2114, 14.0124, 55.8633



23.9775, 14.0124, 71.2447

Rectangle

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



27.1897, 14.0124, 1.4726



13.5910, 14.0124, 0.0000



5.2114, 14.0124, 55.8633



13.0494, 14.0124, 98.5413

Sweetspot

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



27.1900, 14.0133, 1.4728



65.6015, 56.6367, 51.1954



37.0427, 17.7242, 63.7555



13.3797, 11.1511, 9.6522



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.



27.1900, 14.0133, 1.4728



41.2858, 21.2783, 2.1713



31.6093, 22.9129, 2.7580



12.4396, 12.4273, 12.9892



16.7926, 8.6534, 0.9461



1.0188, 0.5243, 0.0883

Inverse Universe

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



27.1900, 14.0133, 1.4728



41.2858, 21.2783, 2.1713



17.7992, 16.5838, 64.5496



12.4396, 12.4273, 12.9892



16.7926, 8.6534, 0.9461



1.0188, 0.5243, 0.0883

Previews

White Background



This preview shows how the XYZ color 27.1897, 14.0124, 1.4726 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 27.1897, 14.0124, 1.4726

Background



This preview shows how black text looks on a background with the XYZ color 27.1897, 14.0124, 1.4726.



This preview shows how white text looks on a background with the XYZ color 27.1897, 14.0124,

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

27.1897, 14.0124, 1.4726

Protanopia

13.2252, 14.5972, 3.2829

Deuteranopia

14.7430, 14.6536, 2.0514



Tritanopia

26.8285, 14.2019, 1.3272

Trichromacy



Original Color

27.1897, 14.0124, 1.4726

Protanomaly

15.3393, 10.9607, 2.0166

Deuteranomaly

17.0110, 11.5737, 1.4235

Tritanomaly

27.0243, 14.1433, 1.3917

Monochromacy



Original Color

27.1897, 14.0124, 1.4726

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.7002, 5.6118, 2.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1897, 14.0124, 1.4726 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, 0, 7)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 7)  
}
```

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, 0, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 7) }
```

Border

The CSS property to change the border of an element to XYZ 27.1897, 14.0124, 1.4726 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, 0, 7) }
```


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

```
.border{ border-color:rgb(212, 0, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(212, 0, 7); box-shadow:4px  
4px 4px 4px rgb(212, 0, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1897, 14.0124, 1.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 7) }
```

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

```
.background{ background-color: rgb(212, 0,  
7) }
```

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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