

Converting Colors

XYZ(27.1873, 13.9998, 1.9874)

Have a look what the booklet for
XYZ(27.1873, 13.9998, 1.9874)
contains.

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Color

**XYZ(27.2867, 14.0512,
1.9834)**

Conversions

Conversions Part 1

Format	Color
Hex	D40015
RGB	212, 0, 21
RGB Percent	83%, 0%, 8%
CMY	0.1686, 0.9998, 0.9176
CMYK	0.00, 1.00, 0.90, 0.17
HSL	354°, 100%, 42%
HSV	354°, 100%, 83%
XYZ	27.2867, 14.0512, 1.9834
YIQ	65.7820, 119.6110, 51.4750

Conversions

Conversions Part 2

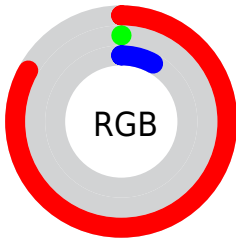
Format	Color
R_{YB}	212, 0, 21
Decimal	13893653
CIE Lab	44.31, 69.90, 51.35
CIE LCh	44, 86.738, 36.302
Yxy	14.0512, 0.6299, 0.3243
Android (android.graphics.Color)	4292083733 (0xFFD40015)
YUV	65.7820, -22.0775, 128.2332
Hunter-Lab	37.4849, 64.3383, 23.1023

Details

The XYZ color **27.2867, 14.0512, 1.9834** 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 **32.9531, 50.8505, 57.3962**, and the grayscale version is **5.1688, 5.4379, 5.9219**.

A 20% lighter version of the original color is **45.6916, 28.4937, 8.5605**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **27.2861, 14.0509, 1.9813**, and if you desaturate by 10%, it is **27.8086, 14.6963, 3.3878**.

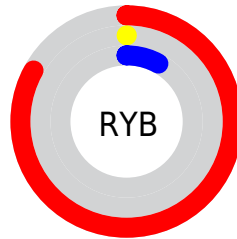
Distribution



Red (83%)

Green (0%)

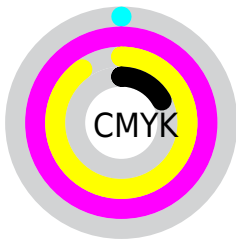
Blue (8%)



Red (83%)

Yellow (0%)

Blue (8%)

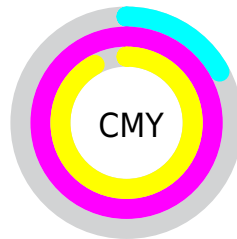


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (17%)



Cyan (17%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2867, 14.0512, 1.9834 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 27.2867, 14.0512, 1.9834 by changing the saturation by 10% instead.


 27.2867, 14.0512,
1.9834


 27.2867, 14.0512,
1.9834


281.1849,
217.5491, 122.1185


 17.9264, 8.1563,
0.5450


 54.7602, 33.1798,
8.9954


 10.9965, 4.1951,
0.0000


 73.6041, 47.1824,
15.4639

 6.1318, 1.7833,
0.0000


 96.3399, 64.6562,
24.4655

 2.9668, 0.4767,
0.0000

 123.3330, 85.9858,
36.4187

 1.1362, 0.0000,
0.0000

 154.9487,
111.5555, 51.7420


 0.0551, 0.0000,
0.0000


 191.5523,


 0.0000, 0.0000,


141.7496, 70.8541


0.0000


 233.5093,
176.9527, 94.1734


 27.2867, 14.0512,
1.9834


 27.2867, 14.0512,
1.9834


 27.2861, 14.0509,
1.9813

 27.8086, 14.6963,
3.3878

 28.7899, 16.0027,
5.7375

 30.3511, 18.1787,
9.1758

 32.5648, 21.3409,
13.8143

 35.4929, 25.5880,
19.7507

■ 39.1899, 31.0067,
27.0726

■ 43.7051, 37.6750,
35.8600

■ 49.0837, 45.6640,
46.1867

■ 55.3675, 55.0396,
58.1216

Harmonies

Analogous

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



31.5383, 14.0512, 11.4694



27.2867, 14.0512, 1.9834



19.4813, 14.0512, 0.0000

Triad

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



27.2867, 14.0512, 1.9834



4.4728, 14.0512, 4.4936



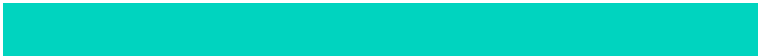
14.8773, 14.0512, 93.6338

Complementary

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



27.2867, 14.0512, 1.9834



32.9531, 50.8505, 57.3962

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.



8.6704, 14.0512, 83.9596



27.2867, 14.0512, 1.9834



3.9869, 14.0512, 19.8991

Square

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



27.2867, 14.0512, 1.9834



6.9008, 14.0512, 0.4536



5.2186, 14.0512, 51.0069



22.9371, 14.0512, 71.5500

Rectangle

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



27.2867, 14.0512, 1.9834



14.2361, 14.0512, 0.0000



5.2186, 14.0512, 51.0069



12.5115, 14.0512, 94.1423

Sweetspot

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



27.2870, 14.0521, 1.9836



66.1296, 56.8479, 53.9763



33.3207, 15.8054, 63.5813



13.4995, 11.1990, 10.2832



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.



27.2870, 14.0521, 1.9836



41.4177, 21.3311, 2.8658



30.3864, 20.4671, 2.3504



12.4726, 12.4406, 13.1631



16.8622, 8.6812, 1.3126



1.0345, 0.5306, 0.1709

Inverse Universe

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



27.2870, 14.0521, 1.9836



41.4177, 21.3311, 2.8658



19.5018, 19.9891, 65.1172



12.4726, 12.4406, 13.1631



16.8622, 8.6812, 1.3126



1.0345, 0.5306, 0.1709

Previews

White Background



This preview shows how the XYZ color 27.2867, 14.0512, 1.9834 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 27.2867, 14.0512, 1.9834

Background



This preview shows how black text looks on a background with the XYZ color 27.2867, 14.0512, 1.9834.



This preview shows how white text looks on a background with the XYZ color 27.2867, 14.0512,

1.9834.

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

27.2867, 14.0512, 1.9834

Protanopia

13.3864, 14.6617, 4.1319

Deuteranopia

14.7430, 14.6536, 2.0514



Tritanopia

27.0968, 14.3146, 1.3348

Trichromacy



Original Color

27.2867, 14.0512, 1.9834

Protanomaly

15.4785, 11.0164, 2.7494

Deuteranomaly

17.0384, 11.5847, 1.5678

Tritanomaly

27.0393, 14.1294, 1.5318

Monochromacy



Original Color

27.2867, 14.0512, 1.9834

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

9.0114, 5.8082, 3.6637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2867, 14.0512, 1.9834 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 0, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 21) }
```

Border

The CSS property to change the border of an element to XYZ 27.2867, 14.0512, 1.9834 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, 21) }
```


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

```
.border{ border-color:rgb(212, 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(212, 0, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.2867, 14.0512, 1.9834 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, 21) }
```

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

```
.background{ background-color: rgb(212, 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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