

Converting Colors

XYZ(27.0598, 13.9488, 1.3143)

Have a look what the booklet for
XYZ(27.0598, 13.9488, 1.3143)
contains.

XYZ(27.1623, 14.0014, 1.3284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.1623, 14.0014,
1.3284)**

Conversions

Conversions Part 1

Format	Color
Hex	D40002
RGB	212, 0, 2
RGB Percent	83%, 0%, 1%
CMY	0.1686, 0.9998, 0.9921
CMYK	0.00, 1.00, 0.99, 0.17
HSL	359°, 100%, 42%
HSV	359°, 100%, 83%
XYZ	27.1623, 14.0014, 1.3284
YIQ	63.6160, 125.7100, 45.5660

Conversions

Conversions Part 2

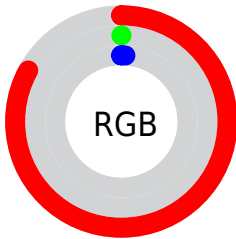
Format	Color
RYB	212, 0, 2
Decimal	13893634
CIELab	44.23, 69.71, 57.81
CIELCh	44, 90.561, 39.670
Yxy	14.0014, 0.6392, 0.3295
Android (android.graphics.Color)	4292083714 (0xFFD40002)
YUV	63.6160, -30.3767, 130.1328
Hunter-Lab	37.4184, 64.0921, 24.0880

Details

The XYZ color **27.1623, 14.0014, 1.3284** 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 **35.1821, 51.7421, 69.1338**, and the grayscale version is **4.8503, 5.1029, 5.5570**.

A 20% lighter version of the original color is **45.3378, 28.3522, 6.6974**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **27.1618, 14.0012, 1.3271**, and if you desaturate by 10%, it is **27.5785, 14.6042, 2.1763**.

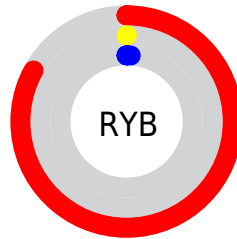
Distribution



Red (83%)

Green (0%)

Blue (1%)



Red (83%)

Yellow (0%)

Blue (1%)

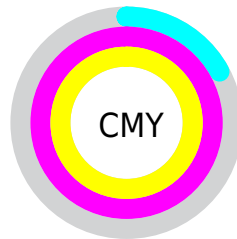


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (17%)



Cyan (17%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.1623, 14.0014, 1.3284 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 27.1623, 14.0014, 1.3284 by changing the saturation by 10% instead.


 27.1623, 14.0014,
1.3284


 27.1623, 14.0014,
1.3284


 280.5953,
217.2395, 110.8783


 17.8324, 8.1216,
0.0849


 54.5622, 33.0915,
7.1065


 10.9287, 4.1729,
0.0000


 73.3630, 47.0707,
12.7184


 6.0858, 1.7707,
0.0000


 96.0514, 64.5184,
20.7037

 2.9385, 0.4688,
0.0000

 122.9927, 85.8191,
31.4807

 1.1213, 0.0000,
0.0000

 154.5525,
111.3571, 45.4682

 0.0428, 0.0000,
0.0000


 191.0959,


 0.0000, 0.0000,


141.5170, 63.0846


0.0000


 232.9884,
176.6830, 84.7484


 27.1623, 14.0014,
1.3284


 27.1623, 14.0014,
1.3284


 27.1618, 14.0012,
1.3271

 27.5785, 14.6042,
2.1763

 28.4498, 15.8666,
3.9470

 29.9192, 18.0057,
6.9018

 32.0680, 21.1419,
11.1988

 34.9650, 25.3764,
16.9717

■ 38.6704, 30.7984,
24.3382

■ 43.2384, 37.4877,
33.4041

■ 48.7186, 45.5173,
44.2662

■ 55.1567, 54.9545,
57.0139

Harmonies

Analogous

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



32.2969, 14.0014, 9.4793



27.1623, 14.0014, 1.3284



18.7559, 14.0014, 0.0000

Triad

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



27.1623, 14.0014, 1.3284



4.0551, 14.0014, 5.1631



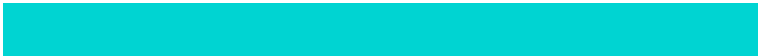
15.7868, 14.0014, 98.0403

Complementary

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



27.1623, 14.0014, 1.3284



35.1821, 51.7421, 69.1338

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.



9.0325, 14.0014, 91.5573



27.1623, 14.0014, 1.3284



3.7594, 14.0014, 22.9736

Square

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



27.1623, 14.0014, 1.3284



6.2508, 14.0014, 0.4586



5.2093, 14.0014, 57.5065



24.3239, 14.0014, 71.1587

Rectangle

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



27.1623, 14.0014, 1.3284



13.3882, 14.0014, 0.0000



5.2093, 14.0014, 57.5065



13.2279, 14.0014, 100.0108

Sweetspot

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



27.1626, 14.0023, 1.3286



65.4176, 56.5631, 50.2270



38.0279, 18.2321, 63.8016



13.3382, 11.1345, 9.4335



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.



27.1626, 14.0023, 1.3286



41.2529, 21.2652, 1.9979



31.9511, 23.5964, 2.8719



12.4279, 12.4227, 12.9275



16.7706, 8.6445, 0.8299



1.0132, 0.5221, 0.0589

Inverse Universe

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



27.1626, 14.0023, 1.3286



41.2529, 21.2652, 1.9979



17.4122, 15.8098, 64.4206



12.4279, 12.4227, 12.9275



16.7706, 8.6445, 0.8299



1.0132, 0.5221, 0.0589

Previews

White Background



This preview shows how the XYZ color 27.1623, 14.0014, 1.3284 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 27.1623, 14.0014, 1.3284 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 27.1623, 14.0014, 1.3284

Background



This preview shows how black text looks on a background with the XYZ color 27.1623, 14.0014, 1.3284.



This preview shows how white text looks on a background with the XYZ color 27.1623, 14.0014,

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

27.1623, 14.0014, 1.3284

Protanopia

13.2130, 14.5923, 3.2188

Deuteranopia

14.7430, 14.6536, 2.0514



Tritanopia

26.8285, 14.2019, 1.3272

Trichromacy



Original Color

27.1623, 14.0014, 1.3284

Protanomaly

15.3215, 10.9536, 1.9228

Deuteranomaly

17.0000, 11.5693, 1.3658

Tritanomaly

27.0134, 14.1389, 1.3340

Monochromacy



Original Color

27.1623, 14.0014, 1.3284

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.6644, 5.5975, 2.7216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1623, 14.0014, 1.3284 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 27.1623, 14.0014, 1.3284 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, 2) }
```


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

```
.border{ border-color:rgb(212, 0, 2) }
```

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, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(212, 0, 2); box-shadow:4px  
4px 4px 4px rgb(212, 0, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1623, 14.0014, 1.3284 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, 2) }
```

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

```
.background{ background-color: rgb(212, 0,  
2) }
```

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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