

Converting Colors

XYZ(27.8658, 14.3566, 1.6996)

Have a look what the booklet for
XYZ(27.8658, 14.3566, 1.6996)
contains.

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Color

**XYZ(27.8042, 14.3252,
1.6804)**

Conversions

Conversions Part 1

Format	Color
Hex	D6000D
RGB	214, 0, 13
RGB Percent	84%, 0%, 5%
CMY	0.1608, 0.9998, 0.9490
CMYK	0.00, 1.00, 0.94, 0.16
HSL	356°, 100%, 42%
HSV	356°, 100%, 84%
XYZ	27.8042, 14.3252, 1.6804
YIQ	65.4680, 123.3710, 49.4110

Conversions

Conversions Part 2

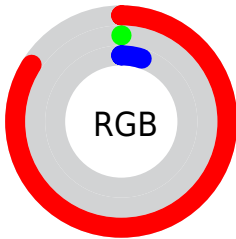
Format	Color
RYB	214, 0, 13
Decimal	14024717
CIELab	44.70, 70.30, 54.85
CIELCh	45, 89.165, 37.966
Yxy	14.3252, 0.6347, 0.3270
Android (android.graphics.Color)	4292214797 (0xFFD6000D)
YUV	65.4680, -25.8667, 130.2626
Hunter-Lab	37.8486, 64.8937, 23.8617

Details

The XYZ color **27.8042, 14.3252, 1.6804** 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 **34.5949, 52.3122, 63.5603**, and the grayscale version is **5.1254, 5.3924, 5.8723**.

A 20% lighter version of the original color is **45.5177, 28.4242, 7.6448**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **27.8037, 14.3250, 1.6789**, and if you desaturate by 10%, it is **28.2838, 14.9594, 2.8434**.

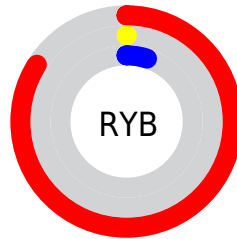
Distribution



Red (84%)

Green (0%)

Blue (5%)



Red (84%)

Yellow (0%)

Blue (5%)

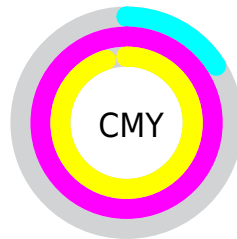


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8042, 14.3252, 1.6804 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 27.8042, 14.3252, 1.6804 by changing the saturation by 10% instead.


 27.8042, 14.3252,
1.6804


 27.8042, 14.3252,
1.6804


 283.6272,
219.2446, 117.1982


 18.3178, 8.3472,
0.3472


 55.5825, 33.6649,
8.1470

 11.2795, 4.3179,
0.0000


 74.6052, 47.7955,
14.2399

 6.3238, 1.8529,
0.0000


 97.5373, 65.4123,
22.7971

 3.0855, 0.5198,
0.0000

 124.7442, 86.8998,
34.2373

 1.1991, 0.0000,
0.0000

 156.5913,
112.6424, 48.9790

 0.1057, 0.0000,
0.0000


 193.4439,


 0.0000, 0.0000,


143.0245, 67.4406


0.0000


 235.6674,
178.4304, 90.0409


 27.8042, 14.3252,
1.6804


 27.8042, 14.3252,
1.6804


 27.8037, 14.3250,
1.6789

 28.2838, 14.9594,
2.8434

 29.2371, 16.2717,
4.9934

 30.7918, 18.4760,
8.3015

 33.0254, 21.6932,
12.9000

 36.0042, 26.0254,
18.9034

■ 39.7861, 31.5622,
26.4134

■ 44.4237, 38.3842,
35.5223

■ 49.9650, 46.5650,
46.3150

■ 56.4543, 56.1725,
58.8706

Harmonies

Analogous

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



32.5799, 14.3252, 10.6992



27.8042, 14.3252, 1.6804



19.5347, 14.3252, 0.0000

Triad

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



27.8042, 14.3252, 1.6804



4.3586, 14.3252, 4.9119



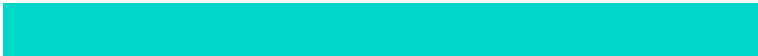
15.6375, 14.3252, 97.7735

Complementary

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



27.8042, 14.3252, 1.6804



34.5949, 52.3122, 63.5603

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.



9.0322, 14.3252, 89.4302



27.8042, 14.3252, 1.6804



3.9586, 14.3252, 21.8010

Square

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



27.8042, 14.3252, 1.6804



6.7215, 14.3252, 0.4730



5.3252, 14.3252, 55.2284



24.1012, 14.3252, 72.8726

Rectangle

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



27.8042, 14.3252, 1.6804



14.1158, 14.3252, 0.0000



5.3252, 14.3252, 55.2284



13.1275, 14.3252, 99.0010

Sweetspot

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



27.8045, 14.3261, 1.6806



65.8210, 56.7245, 52.3514



35.8869, 17.0991, 65.0268



13.4294, 11.1710, 9.9140



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.



27.8045, 14.3261, 1.6806



41.3294, 21.2958, 2.4007



31.6249, 22.0828, 2.5970



12.4534, 12.4329, 13.0621



16.8186, 8.6638, 1.0829



1.0254, 0.5269, 0.1230

Inverse Universe

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



27.8045, 14.3261, 1.6806



41.3294, 21.2958, 2.4007



19.0104, 18.5999, 66.2060



12.4534, 12.4329, 13.0621



16.8186, 8.6638, 1.0829



1.0254, 0.5269, 0.1230

Previews

White Background



This preview shows how the XYZ color 27.8042, 14.3252, 1.6804 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 27.8042, 14.3252, 1.6804

Background



This preview shows how black text looks on a background with the XYZ color 27.8042, 14.3252, 1.6804.



This preview shows how white text looks on a background with the XYZ color 27.8042, 14.3252,

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

27.8042, 14.3252, 1.6804

Protanopia

13.5222, 14.8999, 3.6021

Deuteranopia

15.0036, 14.9347, 2.0919



Tritanopia

27.4015, 14.4974, 1.3540

Trichromacy



Original Color

27.8042, 14.3252, 1.6804

Protanomaly

15.8321, 11.2994, 2.3238

Deuteranomaly

17.2854, 11.7999, 1.5101

Tritanomaly

27.6119, 14.4449, 1.4764

Monochromacy



Original Color

27.8042, 14.3252, 1.6804

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.8938, 5.7051, 3.2172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8042, 14.3252, 1.6804 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(214, 0, 13)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 13)  
}
```

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(214, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 13) }
```

Border

The CSS property to change the border of an element to XYZ 27.8042, 14.3252, 1.6804 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(214, 0, 13) }
```


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

```
.border{ border-color:rgb(214, 0, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(214, 0, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.8042, 14.3252, 1.6804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 13) }
```

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

```
.background{ background-color: rgb(214, 0,  
13) }
```

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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