

Converting Colors

XYZ(28.0668, 14.8798, 1.3942)

Have a look what the booklet for
XYZ(28.0668, 14.8798, 1.3942)
contains.

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Color

**XYZ(27.9997, 14.8325,
1.3872)**

Conversions

Conversions Part 1

Format	Color
Hex	D61500
RGB	214, 21, 0
RGB Percent	84%, 8%, 0%
CMY	0.1608, 0.9175, 1.0000
CMYK	0.00, 0.90, 1.00, 0.16
HSL	6°, 100%, 42%
HSV	6°, 100%, 84%
XYZ	27.9997, 14.8325, 1.3872
YIQ	76.3130, 121.7690, 34.3850

Conversions

Conversions Part 2

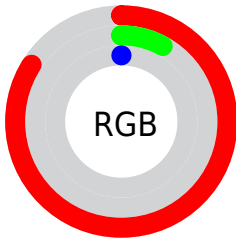
Format	Color
RYB	214, 23, 0
Decimal	14030080
CIELab	45.40, 68.02, 59.16
CIElCh	45, 90.146, 41.014
Yxy	14.8325, 0.6332, 0.3354
Android (android.graphics.Color)	4292220160 (0xFFD61500)
YUV	76.3130, -37.6223, 120.7515
Hunter-Lab	38.5130, 62.3753, 24.8235

Details

The XYZ color **27.9997, 14.8325, 1.3872** 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 **31.2007, 42.9814, 70.2695**, and the grayscale version is **6.9813, 7.3448, 7.9985**.

A 20% lighter version of the original color is **45.8439, 29.3645, 6.8661**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **28.0000, 14.8334, 1.3874**, and if you desaturate by 10%, it is **28.6403, 15.8914, 2.2869**.

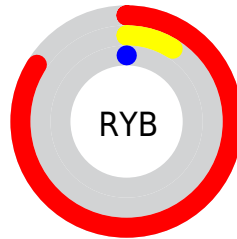
Distribution



Red (84%)

Green (8%)

Blue (0%)



Red (84%)

Yellow (9%)

Blue (0%)

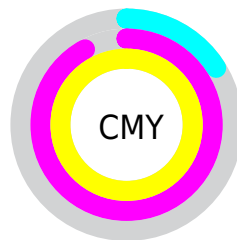


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (92%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9997, 14.8325, 1.3872 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 27.9997, 14.8325, 1.3872 by changing the saturation by 10% instead.

 27.9997, 14.8325,
1.3872


 27.9997, 14.8325,
1.3872


 284.5456,
222.3501, 111.9888


 18.4659, 8.7019,
0.1317


 55.8926, 34.5591,
7.2853


 11.3867, 4.5473,
0.0000


 74.9824, 48.9238,
12.9815

 6.3968, 1.9842,
0.0000


 97.9883, 66.8021,
21.0674

 3.1307, 0.5982,
0.0000

 125.2755, 88.5783,
31.9613

 1.2233, 0.0000,
0.0000

 157.2095,
114.6368, 46.0819

 0.1246, 0.0000,
0.0000


 194.1556,


 0.0000, 0.0000,


145.3620, 63.8476


0.0000


 236.4792,
181.1383, 85.6771

 27.9997, 14.8325,
1.3872


 27.9997, 14.8325,
1.3872


 28.0000, 14.8334,
1.3874

 28.6403, 15.8914,
2.2869

 29.7599, 17.6614,
4.1068

 31.4527, 20.2491,
7.1312

 33.7831, 23.7377,
11.5212

 36.8066, 28.2005,
17.4133

■ 40.5729, 33.7030,
24.9274

■ 45.1270, 40.3051,
34.1711

■ 50.5101, 48.0621,
45.2429

■ 56.7609, 57.0256,
58.2338

Harmonies

Analogous

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



33.4914, 14.8325, 9.4811



27.9997, 14.8325, 1.3872



19.3228, 14.8325, 0.0000

Triad

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



27.9997, 14.8325, 1.3872



4.3926, 14.8325, 6.1031



17.0328, 14.8325, 99.9197

Complementary

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



27.9997, 14.8325, 1.3872



31.2007, 42.9814, 70.2695

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.



9.9115, 14.8325, 94.9998



27.9997, 14.8325, 1.3872



4.1586, 14.8325, 25.3833

Square

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



27.9997, 14.8325, 1.3872



6.6002, 14.8325, 0.7175



5.7827, 14.8325, 61.1687



25.8213, 14.8325, 71.5617

Rectangle

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



27.9997, 14.8325, 1.3872



13.8445, 14.8325, 0.0000



5.7827, 14.8325, 61.1687



14.3543, 14.8325, 102.4804

Sweetspot

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



28.0000, 14.8334, 1.3874



66.8888, 59.6197, 50.3655



37.7140, 18.2891, 53.8660



13.6715, 11.8269, 9.4653



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.



28.0000, 14.8334, 1.3874



41.5889, 21.9578, 2.0463



35.0438, 28.9210, 3.7353



12.5205, 12.6151, 12.9358



16.9591, 9.0355, 0.8502



1.0572, 0.6137, 0.0627

Inverse Universe

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



31.2007, 42.9814, 70.2695



46.3305, 63.7809, 104.4768



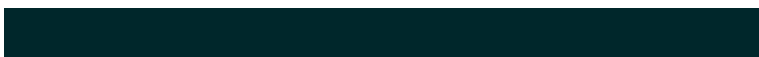
15.7238, 12.0275, 65.1105



12.6831, 13.8895, 15.9500



18.9020, 26.0658, 42.4881



1.1710, 1.6340, 2.5730

Previews

White Background



This preview shows how the XYZ color 27.9997, 14.8325, 1.3872 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 27.9997, 14.8325, 1.3872 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 27.9997, 14.8325, 1.3872

Background



This preview shows how black text looks on a background with the XYZ color 27.9997, 14.8325, 1.3872.



This preview shows how white text looks on a background with the XYZ color 27.9997, 14.8325,

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

27.9997, 14.8325, 1.3872

Protanopia

13.6925, 15.1540, 3.2402

Deuteranopia

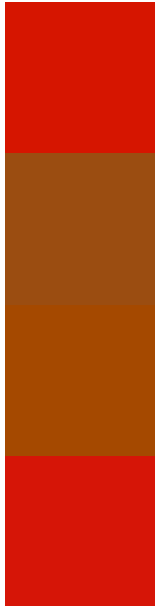
15.1668, 15.0189, 2.0996



Tritanopia

28.0601, 14.8566, 1.7053

Trichromacy



Original Color

27.9997, 14.8325, 1.3872

Protanomaly

16.2726, 12.3168, 2.0500

Deuteranomaly

17.8996, 12.7644, 1.5204

Tritanomaly

28.0381, 14.8478, 1.5892

Monochromacy



Original Color

27.9997, 14.8325, 1.3872

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

10.5519, 7.4774, 3.6834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9997, 14.8325, 1.3872 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, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 21, 0)  
}
```

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, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 21, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.9997, 14.8325, 1.3872 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, 21, 0) }
```


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

```
.border{ border-color:rgb(214, 21, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 21, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 21, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.9997, 14.8325, 1.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 21, 0) }
```

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

```
.background{ background-color: rgb(214, 21,  
0) }
```

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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