

Converting Colors

XYZ(27.9898, 14.7259, 1.3672)

Have a look what the booklet for
XYZ(27.9898, 14.7259, 1.3672)
contains.

XYZ(27.9320, 14.6970, 1.3646)	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>	30

Color

**XYZ(27.9320, 14.6970,
1.3646)**

Conversions

Conversions Part 1

Format	Color
Hex	D61100
RGB	214, 17, 0
RGB Percent	84%, 7%, 0%
CMY	0.1608, 0.9332, 1.0000
CMYK	0.00, 0.92, 1.00, 0.16
HSL	5°, 100%, 42%
HSV	5°, 100%, 84%
XYZ	27.9320, 14.6970, 1.3646
YIQ	73.9650, 122.8690, 36.4770

Conversions

Conversions Part 2

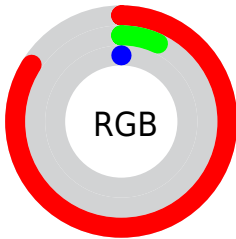
Format	Color
RYB	214, 18, 0
Decimal	14029056
CIELab	45.22, 68.56, 59.09
CIElCh	45, 90.509, 40.757
Yxy	14.6970, 0.6349, 0.3341
Android (android.graphics.Color)	4292219136 (0xFFD61100)
YUV	73.9650, -36.4647, 122.8107
Hunter-Lab	38.3367, 62.9655, 24.7252

Details

The XYZ color **27.9320, 14.6970, 1.3646** 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 **32.0963, 44.7725, 70.5682**, and the grayscale version is **6.5531, 6.8944, 7.5080**.

A 20% lighter version of the original color is **45.7330, 29.1806, 6.7121**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **27.9323, 14.6979, 1.3648**, and if you desaturate by 10%, it is **28.5236, 15.6580, 2.2480**.

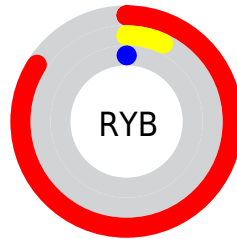
Distribution



Red (84%)

Green (7%)

Blue (0%)



Red (84%)

Yellow (7%)

Blue (0%)

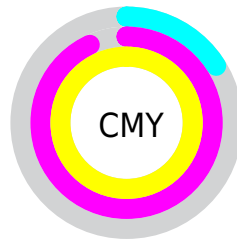


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9320, 14.6970, 1.3646 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 27.9320, 14.6970, 1.3646 by changing the saturation by 10% instead.

 27.9320, 14.6970,
1.3646


 27.9320, 14.6970,
1.3646


 284.2278,
221.5248, 111.5649


 18.4146, 8.6070,
0.1139


 55.7853, 34.3207,
7.2168


 11.3495, 4.4858,
0.0000


 74.8518, 48.6233,
12.8809

 6.3715, 1.9488,
0.0000


 97.8322, 66.4321,
20.9283

 3.1150, 0.5775,
0.0000

 125.0916, 88.1317,
31.7777

 1.2149, 0.0000,
0.0000

 156.9956,
114.1064, 45.8475

 0.1181, 0.0000,
0.0000


 193.9093,


 0.0000, 0.0000,


144.7405, 63.5562


0.0000


 236.1983,
180.4185, 85.3225


 27.9320, 14.6970,
1.3646


 27.9320, 14.6970,
1.3646


 27.9323, 14.6979,
1.3648

 28.5236, 15.6580,
2.2480

 29.5986, 17.3388,
4.0530

 31.2554, 19.8543,
7.0653

 33.5614, 23.2943,
11.4472

 36.5749, 27.7371,
17.3360

■ 40.3477, 33.2525,
24.8521

■ 44.9265, 39.9041,
34.1041

■ 50.3545, 47.7508,
45.1908

■ 56.6716, 56.8469,
58.2038

Harmonies

Analogous

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



33.3848, 14.6970, 9.4829



27.9320, 14.6970, 1.3646



19.2624, 14.6970, 0.0000

Triad

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



27.9320, 14.6970, 1.3646



4.3181, 14.6970, 5.9078



16.8274, 14.6970, 100.0897

Complementary

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



27.9320, 14.6970, 1.3646



32.0963, 44.7725, 70.5682

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.



9.7469, 14.6970, 94.8322



27.9320, 14.6970, 1.3646



4.0713, 14.6970, 24.9818

Square

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



27.9320, 14.6970, 1.3646



6.5291, 14.6970, 0.6572



5.6645, 14.6970, 60.7342



25.6121, 14.6970, 71.8296

Rectangle

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



27.9320, 14.6970, 1.3646



13.7800, 14.6970, 0.0000



5.6645, 14.6970, 60.7342



14.1598, 14.6970, 102.5532

Sweetspot

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



27.9323, 14.6979, 1.3648



66.5892, 59.0205, 50.2656



38.1255, 18.4537, 56.0324



13.6033, 11.6906, 9.4426



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.



27.9323, 14.6979, 1.3648



41.4954, 21.7708, 2.0151



34.6011, 28.0356, 3.5877



12.5019, 12.5780, 12.9296



16.9136, 8.9445, 0.8350



1.0484, 0.5961, 0.0598

Inverse Universe

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



32.0963, 44.7725, 70.5682



47.6738, 66.4676, 104.9246



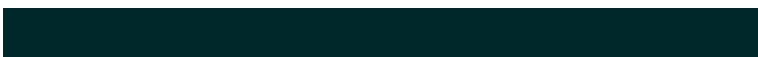
16.0285, 12.6369, 65.2122



12.7037, 13.9308, 15.9569



19.4360, 27.1339, 42.6661



1.1979, 1.6878, 2.5820

Previews

White Background



This preview shows how the XYZ color 27.9320, 14.6970, 1.3646 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 27.9320, 14.6970, 1.3646 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 27.9320, 14.6970, 1.3646

Background



This preview shows how black text looks on a background with the XYZ color 27.9320, 14.6970, 1.3646.



This preview shows how white text looks on a background with the XYZ color 27.9320, 14.6970,

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

27.9320, 14.6970, 1.3646

Protanopia

13.6925, 15.1540, 3.2402

Tritanopia

27.9644, 14.7619, 1.3754

Trichromacy



Original Color

27.9320, 14.6970, 1.3646

Protanomaly

16.2032, 12.1779, 2.0269

Tritanomaly

27.9479, 14.7288, 1.3699

Monochromacy



Original Color

27.9320, 14.6970, 1.3646

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

10.2436, 7.1114, 3.5221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9320, 14.6970, 1.3646 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, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 17, 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, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 17, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.9320, 14.6970, 1.3646 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, 17, 0) }
```

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

```
.border{ border-color:rgb(214, 17, 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, 17, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 17, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 17, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 17, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 27.9320, 14.6970, 1.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 17, 0) }
```

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

```
.background{ background-color: rgb(214, 17,  
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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