

Converting Colors

XYZ(29.0364, 16.7567, 1.9091)

Have a look what the booklet for
XYZ(29.0364, 16.7567, 1.9091)
contains.

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Color

**XYZ(28.9979, 16.7675,
1.9091)**

Conversions

Conversions Part 1

Format	Color
Hex	D63407
RGB	214, 52, 7
RGB Percent	84%, 20%, 3%
CMY	0.1608, 0.7960, 0.9725
CMYK	0.00, 0.76, 0.97, 0.16
HSL	13°, 94%, 43%
HSV	13°, 97%, 84%
XYZ	28.9979, 16.7675, 1.9091
YIQ	95.3080, 110.9970, 20.3490

Conversions

Conversions Part 2

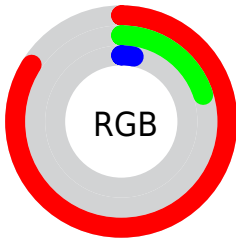
Format	Color
RYB	214, 65, 7
Decimal	14038023
CIELab	47.97, 60.88, 58.33
CIElCh	48, 84.315, 43.771
Yxy	16.7675, 0.6082, 0.3517
Android (android.graphics.Color)	4292228103 (0xFFD63407)
YUV	95.3080, -43.5358, 104.0929
Hunter-Lab	40.9481, 54.7476, 25.8995

Details

The XYZ color **28.9979, 16.7675, 1.9091** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **26.4109, 33.2716, 68.6478**, and the grayscale version is **11.0353, 11.6099, 12.6432**.

A 20% lighter version of the original color is **47.7939, 32.9767, 8.4035**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **28.7293, 16.2920, 1.6305**, and if you desaturate by 10%, it is **30.0591, 18.6085, 3.1315**.

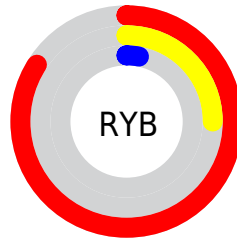
Distribution



Red (84%)

Green (20%)

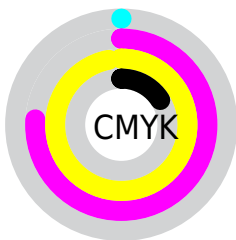
Blue (3%)



Red (84%)

Yellow (25%)

Blue (3%)

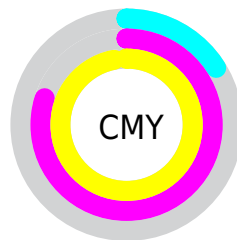


Cyan (0%)

Magenta (76%)

Yellow (97%)

Black (16%)



Cyan (16%)


Magenta (80%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9979, 16.7675, 1.9091 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 28.9979, 16.7675, 1.9091 by changing the saturation by 10% instead.


 28.9979, 16.7675,
1.9091


 28.9979, 16.7675,
1.9091


 289.1994,
233.8290, 120.9489


 19.2235, 10.0689,
0.4985


 57.4713, 37.9256,
8.7908

 11.9369, 5.4446,
0.0000


 76.9011, 53.1538,
15.1699

 6.7726, 2.5104,
0.0000


 100.2800, 71.9941,
24.0659

 3.3653, 0.8819,
0.0000

 127.9734, 94.8307,
35.8975

 1.3498, 0.0000,
0.0000

 160.3467,
122.0481, 51.0830

 0.2200, 0.0000,
0.0000


 197.7653,


 0.0000, 0.0000,


154.0307, 70.0410


0.0000


 240.5944,
191.1628, 93.1902


 28.9979, 16.7675,
1.9091


 28.9979, 16.7675,
1.9091


 28.7293, 16.2920,
1.6305

 30.0591, 18.6085,
3.1315

 31.5913, 21.1016,
5.4032

 33.6514, 24.3061,
8.9132

 36.2862, 28.2728,
13.8084

 39.5371, 33.0478,
20.2151

■ 43.4412, 38.6733,
28.2453

■ 48.0326, 45.1885,
38.0002

■ 53.3433, 52.6302,
49.5727

■ 59.4028, 61.0330,
63.0493

Harmonies

Analogous

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



34.7730, 16.7675, 9.9932



28.9979, 16.7675, 1.9091



20.3823, 16.7675, 0.1219

Triad

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



28.9979, 16.7675, 1.9091



5.6172, 16.7675, 8.8769



19.6770, 16.7675, 96.5996

Complementary

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



28.9979, 16.7675, 1.9091



26.4109, 33.2716, 68.6478

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.



12.1901, 16.7675, 95.1952



28.9979, 16.7675, 1.9091



5.5366, 16.7675, 30.1489

Square

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



28.9979, 16.7675, 1.9091



7.8114, 16.7675, 1.6409



7.5390, 16.7675, 65.2449



28.3421, 16.7675, 68.2583

Rectangle

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



28.9979, 16.7675, 1.9091



14.9945, 16.7675, 0.0000



7.5390, 16.7675, 65.2449



16.9182, 16.7675, 100.0188

Sweetspot

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



28.9983, 16.7685, 1.9093



69.5815, 64.5900, 52.5427



34.9828, 17.3182, 39.1088



14.2610, 12.9281, 9.9021



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.



28.9983, 16.7685, 1.9093



42.6276, 24.0353, 2.3925



39.5493, 37.8707, 5.4264



12.6400, 12.8542, 12.9756



17.4282, 9.9736, 1.0065



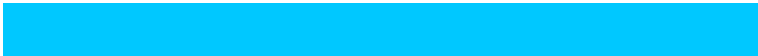
1.1133, 0.7258, 0.0814

Inverse Universe

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



26.4109, 33.2716, 68.6478



38.6003, 48.3207, 101.9001



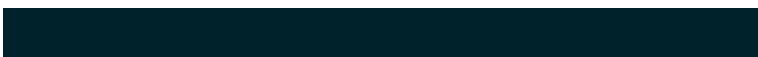
14.1530, 8.7560, 64.5619



12.5524, 13.6282, 15.9064



15.8199, 19.9016, 41.4608



1.0123, 1.3167, 2.5201

Previews

White Background



This preview shows how the XYZ color 28.9979, 16.7675, 1.9091 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 28.9979, 16.7675, 1.9091 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 28.9979, 16.7675, 1.9091

Background



This preview shows how black text looks on a background with the XYZ color 28.9979, 16.7675, 1.9091.



This preview shows how white text looks on a background with the XYZ color 28.9979, 16.7675,

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

28.9979, 16.7675, 1.9091

Protanopia

15.3704, 17.0032, 3.4491

Deuteranopia

17.1457, 16.9570, 2.3694



Tritanopia

29.6984, 16.8740, 4.7093

Trichromacy



Original Color

28.9979, 16.7675, 1.9091

Protanomaly

18.4419, 15.1749, 2.5731

Deuteranomaly

20.0837, 15.5321, 2.0256

Tritanomaly

29.4537, 16.8438, 3.2122

Monochromacy



Original Color

28.9979, 16.7675, 1.9091

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.1744, 11.3541, 6.1471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9979, 16.7675, 1.9091 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, 52, 7)` looks like.

```
.text, #text, p{  
    color:rgb(214, 52, 7)  
}
```

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, 52, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 52, 7) }
```

Border

The CSS property to change the border of an element to XYZ 28.9979, 16.7675, 1.9091 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, 52, 7) }
```


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

```
.border{ border-color:rgb(214, 52, 7) }
```

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

Here you see how a box with a 4 pixel rgb(214, 52, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 52, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 52, 7);  
box-shadow:4px 4px 4px 4px rgb(214, 52, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.9979, 16.7675, 1.9091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 52, 7) }
```

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

```
.background{ background-color: rgb(214, 52,  
7) }
```

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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