

Converting Colors

XYZ(29.0115, 14.8149, 7.7333)

Have a look what the booklet for
XYZ(29.0115, 14.8149, 7.7333)
contains.

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Color

**XYZ(28.9676, 14.7906,
7.8067)**

Conversions

Conversions Part 1

Format	Color
Hex	D6004A
RGB	214, 0, 74
RGB Percent	84%, 0%, 29%
CMY	0.1608, 0.9998, 0.7098
CMYK	0.00, 1.00, 0.65, 0.16
HSL	339°, 100%, 42%
HSV	339°, 100%, 84%
XYZ	28.9676, 14.7906, 7.8067
YIQ	72.4220, 103.7900, 68.3820

Conversions

Conversions Part 2

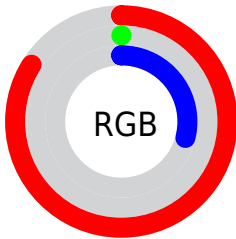
Format	Color
RYB	214, 0, 74
Decimal	14024778
CIELab	45.35, 72.06, 22.68
CIElCh	45, 75.545, 17.473
Yxy	14.7906, 0.5618, 0.2868
Android (android.graphics.Color)	4292214858 (0xFFD6004A)
YUV	72.4220, 0.7780, 124.1639
Hunter-Lab	38.4585, 67.1466, 14.8857

Details

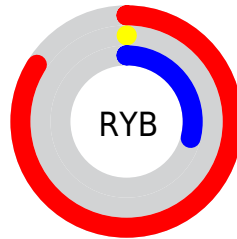
The XYZ color **28.9676, 14.7906, 7.8067** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **28.7842, 49.9880, 32.9609**, and the grayscale version is **6.2231, 6.5472, 7.1299**.

A 20% lighter version of the original color is **48.3252, 29.8099, 21.6192**, and **13.0098, 6.6782, 1.8997** is the 20% darker color. If you saturate the color by 10%, you get **28.9663, 14.7900, 7.8011**, and if you desaturate by 10%, it is **29.7695, 15.5537, 10.6664**.

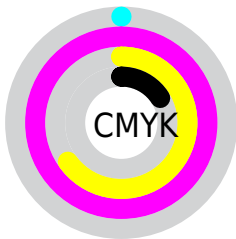
Distribution



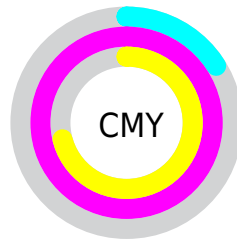
- Red (84%)
- Green (0%)
- Blue (29%)



- Red (84%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9676, 14.7906, 7.8067 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 28.9676, 14.7906, 7.8067 by changing the saturation by 10% instead.


 28.9676, 14.7906,
7.8067


 28.9676, 14.7906,
7.8067


289.0590,
222.0953, 184.0855


 19.2005, 8.6726,
3.8855


 57.4235, 34.4854,
22.1185


 11.9201, 4.5282,
1.5627


 76.8430, 48.8310,
33.3462

 6.7611, 1.9732,
0.2640


 100.2107, 66.6878,
47.8465

 3.3581, 0.5918,
0.0000

 127.8919, 88.4403,
66.0379

 1.3459, 0.0000,
0.0000

 160.2520,
114.4730, 88.3389

 0.2172, 0.0000,
0.0000

 197.6563,

 0.0000, 0.0000,

145.1701, 115.1682

0.0000

240.4702,
180.9160, 146.9442

■ 28.9676, 14.7906,
7.8067

■ 28.9676, 14.7906,
7.8067

■ 28.9663, 14.7900,
7.8011

■ 29.7695, 15.5537,
10.6664

■ 30.9884, 16.9723,
14.2148

■ 32.7318, 19.2521,
18.5168

■ 35.0613, 22.5077,
23.6201

■ 38.0294, 26.8356,
29.5673

■ 41.6823, 32.3209,
36.3979

■ 46.0620, 39.0397,
44.1485

■ 51.2068, 47.0620,
52.8533

■ 57.1523, 56.4520,
62.5449

Harmonies

Analogous

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



29.4055, 14.7906, 24.8088



28.9676, 14.7906, 7.8067



23.8765, 14.7906, 1.7111

Triad

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



28.9676, 14.7906, 7.8067



6.9168, 14.7906, 2.2282



11.6031, 14.7906, 78.7359

Complementary

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



28.9676, 14.7906, 7.8067



28.7842, 49.9880, 32.9609

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.



7.3852, 14.7906, 57.2689



28.9676, 14.7906, 7.8067



5.2713, 14.7906, 9.7193

Square

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



28.9676, 14.7906, 7.8067



10.7418, 14.7906, 0.4281



5.4125, 14.7906, 28.8459



17.9949, 14.7906, 76.5369

Rectangle

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



28.9676, 14.7906, 7.8067



19.1980, 14.7906, 0.5875



5.4125, 14.7906, 28.8459



9.9286, 14.7906, 73.6321

Sweetspot

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



28.9679, 14.7915, 7.8069



68.2725, 57.7051, 65.2608



22.8050, 10.3551, 64.4147



13.9937, 11.3967, 12.8856



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.



28.9679, 14.7915, 7.8069



43.0073, 21.9669, 11.2363



28.2520, 15.3368, 1.4727



12.5987, 12.4910, 13.8269



17.5527, 8.9574, 4.9488



1.0971, 0.5556, 0.5008

Inverse Universe

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



28.9679, 14.7915, 7.8069



43.0073, 21.9669, 11.2363



28.8470, 38.2730, 69.4850



12.5987, 12.4910, 13.8269



17.5527, 8.9574, 4.9488



1.0971, 0.5556, 0.5008

Previews

White Background



This preview shows how the XYZ color 28.9676, 14.7906, 7.8067 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 28.9676, 14.7906, 7.8067 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 28.9676, 14.7906, 7.8067

Background



This preview shows how black text looks on a background with the XYZ color 28.9676, 14.7906, 7.8067.



This preview shows how white text looks on a background with the XYZ color 28.9676, 14.7906,

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

28.9676, 14.7906, 7.8067

Protanopia

14.7845, 15.4209, 16.6653

Deuteranopia

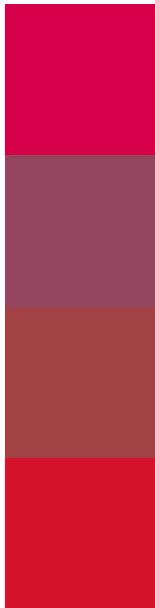
15.5486, 15.2573, 6.9759



Tritanopia

28.0913, 15.1493, 2.4208

Trichromacy



Original Color

28.9676, 14.7906, 7.8067

Protanomaly

16.4522, 11.3967, 12.3990

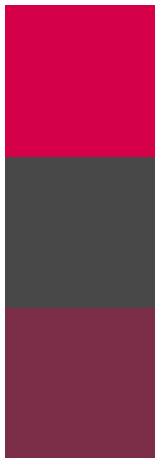
Deuteranomaly

17.8919, 11.9952, 6.8411

Tritanomaly

28.1095, 14.7863, 3.6580

Monochromacy



Original Color

28.9676, 14.7906, 7.8067

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.4918, 6.7201, 7.0475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9676, 14.7906, 7.8067 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 74) }
```

Border

The CSS property to change the border of an element to XYZ 28.9676, 14.7906, 7.8067 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, 74) }
```


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

```
.border{ border-color:rgb(214, 0, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(214, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.9676, 14.7906, 7.8067 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, 74) }
```

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

```
.background{ background-color: rgb(214, 0,  
74) }
```

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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