

Converting Colors

XYZ(28.2112, 13.4862, 7.0806)

Have a look what the booklet for
XYZ(28.2112, 13.4862, 7.0806)
contains.

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Color

**XYZ(28.8689, 14.7511,
7.2869)**

Conversions

Conversions Part 1

Format	Color
Hex	D60047
RGB	214, 0, 71
RGB Percent	84%, 0%, 28%
CMY	0.1608, 0.9998, 0.7216
CMYK	0.00, 1.00, 0.67, 0.16
HSL	340°, 100%, 42%
HSV	340°, 100%, 84%
XYZ	28.8689, 14.7511, 7.2869
YIQ	72.0800, 104.7530, 67.4490

Conversions

Conversions Part 2

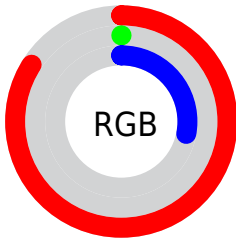
Format	Color
RYB	214, 0, 71
Decimal	14024775
CIELab	45.29, 71.91, 24.47
CIElCh	45, 75.963, 18.795
Yxy	14.7511, 0.5671, 0.2898
Android (android.graphics.Color)	4292214855 (0xFFD60047)
YUV	72.0800, -0.5324, 124.4638
Hunter-Lab	38.4072, 66.9577, 15.6361

Details

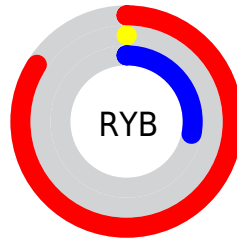
The XYZ color **28.8689, 14.7511, 7.2869** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **29.0085, 50.0777, 34.1423**, and the grayscale version is **6.1661, 6.4872, 7.0645**.

A 20% lighter version of the original color is **48.1422, 29.7367, 20.6551**, and **12.9843, 6.6680, 1.7651** is the 20% darker color. If you saturate the color by 10%, you get **28.8677, 14.7506, 7.2816**, and if you desaturate by 10%, it is **29.6596, 15.5097, 10.0881**.

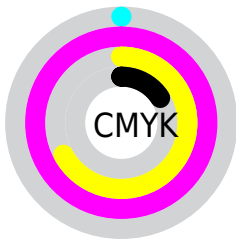
Distribution



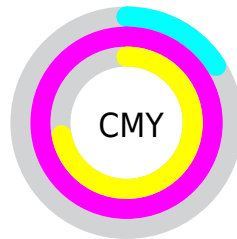
- Red (84%)
- Green (0%)
- Blue (28%)



- Red (84%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8689, 14.7511, 7.2869 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 28.8689, 14.7511, 7.2869 by changing the saturation by 10% instead.


 28.8689, 14.7511,
7.2869


 28.8689, 14.7511,
7.2869


288.6013,
221.8547, 179.7472


 19.1255, 8.6449,
3.5610


 57.2677, 34.4159,
21.0707

 11.8655, 4.5103,
1.3877


 76.6538, 48.7434,
31.9657

 6.7237, 1.9629,
0.1321


 99.9848, 66.5800,
46.0875

 3.3347, 0.5858,
0.0000

 127.6261, 88.3102,
63.8546

 1.3331, 0.0000,
0.0000

 159.9431,
114.3183, 85.6856

 0.2078, 0.0000,
0.0000

 197.3010,

 0.0000, 0.0000,

144.9889, 111.9990

0.0000

240.0653,
180.7062, 143.2133

■ 28.8689, 14.7511,
7.2869

■ 28.8689, 14.7511,
7.2869

■ 28.8677, 14.7506,
7.2816

■ 29.6596, 15.5097,
10.0881

■ 30.8710, 16.9252,
13.5968

■ 32.6109, 19.2037,
17.8805

■ 34.9414, 22.4596,
22.9890

■ 37.9153, 26.7898,
28.9672

■ 41.5794, 32.2795,
35.8563

■ 45.9757, 39.0049,
43.6945

■ 51.1429, 47.0361,
52.5179

■ 57.1170, 56.4375,
62.3603

Harmonies

Analogous

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



29.5448, 14.7511, 23.7756



28.8689, 14.7511, 7.2869



23.5918, 14.7511, 1.5550

Triad

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



28.8689, 14.7511, 7.2869



6.7478, 14.7511, 2.3437



11.7993, 14.7511, 79.6269

Complementary

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



28.8689, 14.7511, 7.2869



29.0085, 50.0777, 34.1423

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.



7.4673, 14.7511, 58.7549



28.8689, 14.7511, 7.2869



5.1885, 14.7511, 10.2275

Square

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



28.8689, 14.7511, 7.2869



10.4737, 14.7511, 0.4318



5.4050, 14.7511, 30.0052



18.2892, 14.7511, 76.2259

Rectangle

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



28.8689, 14.7511, 7.2869



18.8656, 14.7511, 0.5082



5.4050, 14.7511, 30.0052



10.0852, 14.7511, 74.8280

Sweetspot

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



28.8692, 14.7520, 7.2871



68.1435, 57.6535, 64.5815



23.4108, 10.6674, 64.4431



13.9636, 11.3847, 12.7272



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.



28.8692, 14.7520, 7.2871



42.8625, 21.9090, 10.4738



28.3537, 15.5402, 1.5065



12.5914, 12.4881, 13.7886



17.4920, 8.9331, 4.6287



1.0928, 0.5539, 0.4783

Inverse Universe

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



28.8692, 14.7520, 7.2871



42.8625, 21.9090, 10.4738



28.1264, 36.8319, 69.2448



12.5914, 12.4881, 13.7886



17.4920, 8.9331, 4.6287



1.0928, 0.5539, 0.4783

Previews

White Background



This preview shows how the XYZ color 28.8689, 14.7511, 7.2869 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 28.8689, 14.7511, 7.2869 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 28.8689, 14.7511, 7.2869

Background



This preview shows how black text looks on a background with the XYZ color 28.8689, 14.7511, 7.2869.



This preview shows how white text looks on a background with the XYZ color 28.8689, 14.7511,

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

28.8689, 14.7511, 7.2869

Protanopia

14.7005, 15.4019, 15.5627

Deuteranopia

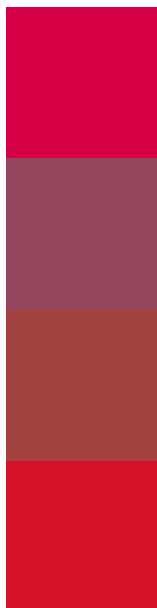
15.4655, 15.2241, 6.5383



Tritanopia

28.0554, 15.0951, 2.3547

Trichromacy



Original Color

28.8689, 14.7511, 7.2869

Protanomaly

16.4983, 11.4361, 11.6938

Deuteranomaly

17.8026, 11.9595, 6.3711

Tritanomaly

28.0748, 14.7459, 3.5570

Monochromacy



Original Color

28.8689, 14.7511, 7.2869

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.4589, 6.7070, 6.8742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8689, 14.7511, 7.2869 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 28.8689, 14.7511, 7.2869 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, 71) }
```


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

```
.border{ border-color:rgb(214, 0, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(214, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.8689, 14.7511, 7.2869 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, 71) }
```

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

```
.background{ background-color: rgb(214, 0,  
71) }
```

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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