

Converting Colors

$Y_{xy}(14.7875, 0.5664, 0.2894)$

Have a look what the booklet for
Yxy(14.7875, 0.5664, 0.2894)
contains.

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Color

Yxy(14.7511, 0.5671, 0.2898)

Conversions

Conversions Part 1

Format	Color
Hex	D60047
RGB	214, 0, 71
RGB Percent	84%, 0%, 28%
CMY	0.1608, 0.9995, 0.7216
CMYK	0.00, 1.00, 0.67, 0.16
HSL	340°, 100%, 42%
HSV	340°, 100%, 84%
XYZ	28.8659, 14.7511, 7.2839
YIQ	72.0800, 104.7530, 67.4490

Conversions

Conversions Part 2

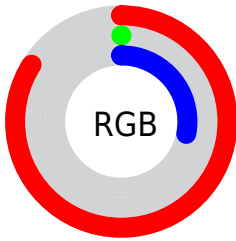
Format	Color
RYB	214, 0, 71
Decimal	14024775
CIELab	45.29, 71.90, 24.49
CIELCh	45, 75.955, 18.806
Yxy	14.7511, 0.5671, 0.2898
Android (android.graphics.Color)	4292214855 (0xFFD60047)
YUV	72.0800, -0.5324, 124.4638
Hunter-Lab	38.4072, 66.9440, 15.6406

Details

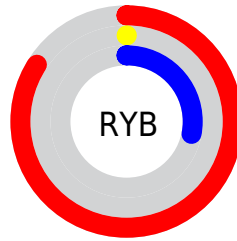
The Yxy color **14.7511, 0.5671, 0.2898** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **50.0755, 0.2562, 0.4421**, and the grayscale version is **6.4958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7367, 0.4886, 0.3018**, and **6.6680, 0.6062, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **14.7478, 0.5673, 0.2899**, and if you desaturate by 10%, it is **15.5111, 0.5367, 0.2807**.

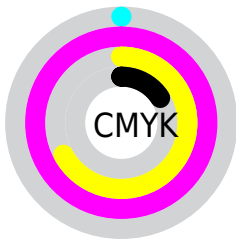
Distribution



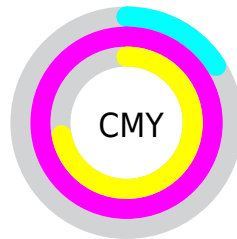
- Red (84%)
- Green (0%)
- Blue (28%)



- 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 Yxy color 14.7511, 0.5671, 0.2898 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 Yxy color 14.7511, 0.5671, 0.2898 by changing the saturation by 10% instead.


 14.7511, 0.5671,
0.2898


 14.7511, 0.5671,
0.2898

221.8547, 0.4181,
0.3215


 8.6449, 0.6104,
0.2760


 34.4159, 0.5079,
0.3053


 4.5103, 0.6680,
0.2539

 48.7434, 0.4871,
0.3098


 1.9629, 0.7625,
0.2226

 66.5800, 0.4702,
0.3131

 0.5858, 0.8506,
0.1494

 88.3102, 0.4562,
0.3157

 0.0000, 1.0000,
0.0000

 114.3183, 0.4444,
0.3176

 0.0000, 0.0000,
0.0000

 144.9889, 0.4343,

0.3192

180.7062, 0.4257,
0.3204

■ 14.7511, 0.5671,
0.2898

■ 14.7511, 0.5671,
0.2898

■ 14.7478, 0.5673,
0.2899

■ 15.5111, 0.5367,
0.2807

■ 16.9298, 0.5028,
0.2757

■ 19.2118, 0.4679,
0.2756

■ 22.4717, 0.4346,
0.2795

■ 26.8062, 0.4047,
0.2861

■ 32.3004, 0.3789,
0.2943

■ 39.0306, 0.3572,
0.3032

■ 47.0666, 0.3393,
0.3122

■ 56.4731, 0.3246,
0.3209

Harmonies

Analogous

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



14.7511, 0.4341, 0.2167



14.7511, 0.5671, 0.2898



14.7511, 0.5913, 0.3698

Triad

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



14.7511, 0.5671, 0.2898



14.7511, 0.2830, 0.6186



14.7511, 0.1112, 0.1389

Complementary

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



14.7511, 0.5671, 0.2898



50.0755, 0.2562, 0.4421

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.



14.7511, 0.0922, 0.1822



14.7511, 0.5671, 0.2898



14.7511, 0.1720, 0.4889

Square

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



14.7511, 0.5671, 0.2898



14.7511, 0.4082, 0.5750



14.7511, 0.1078, 0.2940



14.7511, 0.1674, 0.1350

Rectangle

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



14.7511, 0.5671, 0.2898



14.7511, 0.5528, 0.4323



14.7511, 0.1078, 0.2940



14.7511, 0.1012, 0.1480

Sweetspot

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



14.7520, 0.5671, 0.2898



57.6522, 0.3580, 0.3029



10.6707, 0.2377, 0.1083



11.3844, 0.3668, 0.2990



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.7520, 0.5671, 0.2898



21.9076, 0.5698, 0.2912



15.5431, 0.6244, 0.3423



12.4880, 0.3240, 0.3213



8.9325, 0.5634, 0.2877



0.5539, 0.5144, 0.2607

Inverse Universe

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



14.7520, 0.5671, 0.2898



21.9076, 0.5698, 0.2912



36.8341, 0.2096, 0.2745



12.4880, 0.3240, 0.3213



8.9325, 0.5634, 0.2877



0.5539, 0.5144, 0.2607

Previews

White Background



This preview shows how the Yxy color 14.7511, 0.5671, 0.2898 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 Yxy color 14.7511, 0.5671, 0.2898 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](#).

Yxy 14.7511, 0.5671, 0.2898

Background



This preview shows how black text looks on a background with the Yxy color 14.7511, 0.5671, 0.2898.



This preview shows how white text looks on a background with the Yxy color 14.7511, 0.5671, 0.2898.

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

14.7511, 0.5671, 0.2898

Protanopia

15.4019, 0.3219, 0.3373

Deuteranopia

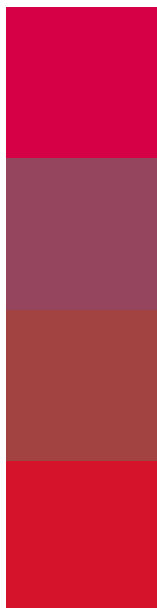
15.2241, 0.4154, 0.4089



Tritanopia

15.0951, 0.6165, 0.3317

Trichromacy



Original Color

14.7511, 0.5671, 0.2898

Protanomaly

11.4361, 0.4163, 0.2886

Deuteranomaly

11.9595, 0.4927, 0.3310

Tritanomaly

14.7790, 0.6050, 0.3183

Monochromacy



Original Color

14.7511, 0.5671, 0.2898

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.7070, 0.4351, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7511, 0.5671, 0.2898 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 Yxy 14.7511, 0.5671, 0.2898 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 Yxy 14.7511, 0.5671, 0.2898 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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