

Converting Colors

$Yxy(16.8937, 0.5610, 0.2864)$

Have a look what the booklet for
Yxy(16.8937, 0.5610, 0.2864)
contains.

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Color

Yxy(16.8954, 0.5618, 0.2869)

Conversions

Conversions Part 1

Format	Color
Hex	E3004F
RGB	227, 0, 79
RGB Percent	89%, 0%, 31%
CMY	0.1099, 0.9991, 0.6903
CMYK	0.00, 1.00, 0.65, 0.11
HSL	339°, 100%, 45%
HSV	339°, 100%, 89%
XYZ	33.0841, 16.8954, 8.9100
YIQ	76.8790, 109.9330, 72.6930

Conversions

Conversions Part 2

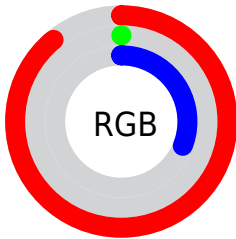
Format	Color
RYB	227, 0, 79
Decimal	14876751
CIELab	48.13, 75.31, 23.74
CIELCh	48, 78.958, 17.494
Yxy	16.8954, 0.5618, 0.2869
Android (android.graphics.Color)	4293066831 (0xFFE3004F)
YUV	76.8790, 1.0457, 131.6561
Hunter-Lab	41.1040, 71.7405, 15.9207

Details

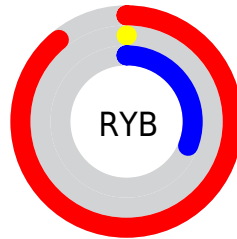
The Yxy color **16.8954, 0.5618, 0.2869** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **57.0730, 0.2579, 0.4483**, and the grayscale version is **7.4049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4728, 0.4746, 0.2954**, and **7.9139, 0.5996, 0.3077** is the 20% darker color. If you saturate the color by 10%, you get **16.8893, 0.5621, 0.2870**, and if you desaturate by 10%, it is **17.7416, 0.5319, 0.2776**.

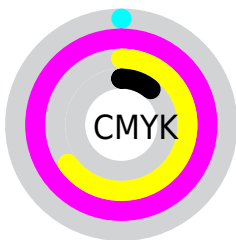
Distribution



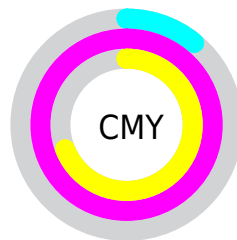
- Red (89%)
- Green (0%)
- Blue (31%)



- Red (89%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (11%)



- Cyan (11%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8954, 0.5618, 0.2869 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 Yxy color 16.8954, 0.5618, 0.2869 by changing the saturation by 10% instead.


 16.8954, 0.5618,
0.2869


 16.8954, 0.5618,
0.2869


234.5689, 0.4185,
0.3191


 10.1599, 0.6025,
0.2739


 38.1458, 0.5056,
0.3020


 5.5051, 0.6562,
0.2538

 53.4296, 0.4857,
0.3066

 2.5466, 0.7314,
0.2226

 72.3316, 0.4693,
0.3101

 0.8999, 0.8297,
0.1703

 95.2363, 0.4557,
0.3127

 0.0000, 1.0000,
0.0000

 122.5279, 0.4442,
0.3148

 0.0000, 0.0000,
0.0000

 154.5910, 0.4344,

0.3165

191.8098, 0.4259,
0.3179

■ 16.8954, 0.5618,
0.2869

■ 16.8954, 0.5618,
0.2869

■ 16.8893, 0.5621,
0.2870

■ 17.7416, 0.5319,
0.2776

■ 19.3478, 0.4986,
0.2727

■ 21.9413, 0.4644,
0.2727

■ 25.6548, 0.4319,
0.2769

■ 30.6000, 0.4027,
0.2839

■ 36.8751, 0.3775,
0.2925

■ 44.5683, 0.3563,
0.3019

■ 53.7600, 0.3388,
0.3113

■ 64.5247, 0.3244,
0.3205

Harmonies

Analogous

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



16.8954, 0.4262, 0.2144



16.8954, 0.5618, 0.2869



16.8954, 0.5913, 0.3664

Triad

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



16.8954, 0.5618, 0.2869



16.8954, 0.2889, 0.6179



16.8954, 0.1104, 0.1407

Complementary

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



16.8954, 0.5618, 0.2869



57.0730, 0.2579, 0.4483

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.



16.8954, 0.0930, 0.1861



16.8954, 0.5618, 0.2869



16.8954, 0.1770, 0.4965

Square

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



16.8954, 0.5618, 0.2869



16.8954, 0.4130, 0.5689



16.8954, 0.1103, 0.3014



16.8954, 0.1647, 0.1353

Rectangle

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



16.8954, 0.5618, 0.2869



16.8954, 0.5547, 0.4275



16.8954, 0.1103, 0.3014



16.8954, 0.1010, 0.1504

Sweetspot

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



16.8965, 0.5618, 0.2869



57.7112, 0.3569, 0.3016



11.8099, 0.2335, 0.1060



11.3981, 0.3655, 0.2976



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.



16.8965, 0.5618, 0.2869



21.9739, 0.5637, 0.2879



17.4857, 0.6272, 0.3401



14.4502, 0.3238, 0.3209



9.8719, 0.5581, 0.2848



0.7465, 0.5174, 0.2624

Inverse Universe

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



16.8965, 0.5618, 0.2869



21.9739, 0.5637, 0.2879



43.6710, 0.2111, 0.2800



14.4502, 0.3238, 0.3209



9.8719, 0.5581, 0.2848



0.7465, 0.5174, 0.2624

Previews

White Background



This preview shows how the Yxy color 16.8954, 0.5618, 0.2869 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 Yxy color 16.8954, 0.5618, 0.2869 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](#).

Yxy 16.8954, 0.5618, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 16.8954, 0.5618, 0.2869.



This preview shows how white text looks on a background with the Yxy color 16.8954, 0.5618, 0.2869.

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

16.8954, 0.5618, 0.2869

Protanopia

17.6033, 0.3153, 0.3290

Deuteranopia

17.4613, 0.4101, 0.4035



Tritanopia

17.2856, 0.6157, 0.3317

Trichromacy



Original Color

16.8954, 0.5618, 0.2869



Protanomaly

13.1459, 0.4084, 0.2826



Deuteranomaly

13.7582, 0.4861, 0.3267



Tritanomaly

16.8743, 0.6033, 0.3169

Monochromacy



Original Color

16.8954, 0.5618, 0.2869



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.6522, 0.4329, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8954, 0.5618, 0.2869 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(227, 0, 79)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 79)  
}
```

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(227, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 79) }
```

Border

The CSS property to change the border of an element to Yxy 16.8954, 0.5618, 0.2869 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(227, 0, 79) }
```

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

```
.border{ border-color:rgb(227, 0, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 0, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8954, 0.5618, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 79) }
```

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

```
.background{ background-color: rgb(227, 0,  
79) }
```

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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