

Converting Colors

$Yxy(16.4769, 0.6159, 0.3166)$

Have a look what the booklet for
Yxy(16.4769, 0.6159, 0.3166)
contains.

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Color

Yxy(16.4841, 0.6160, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	E30028
RGB	227, 0, 40
RGB Percent	89%, 0%, 16%
CMY	0.1098, 0.9999, 0.8430
CMYK	0.00, 1.00, 0.82, 0.11
HSL	349°, 100%, 45%
HSV	349°, 100%, 89%
XYZ	32.0625, 16.4841, 3.5029
YIQ	72.4330, 122.4520, 60.5640

Conversions

Conversions Part 2

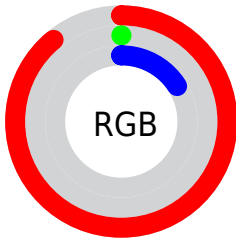
Format	Color
R_{YB}	227, 0, 40
Decimal	14876712
CIE _{Lab}	47.60, 73.91, 46.05
CIE _{LCh}	48, 87.083, 31.926
Yxy	16.4841, 0.6160, 0.3167
Android (android.graphics.Color)	4293066792 (0xFFE30028)
YUV	72.4330, -15.9895, 135.5553
Hunter-Lab	40.6006, 69.9114, 23.3050

Details

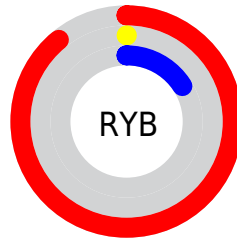
The Yxy color **16.4841, 0.6160, 0.3167** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **58.5263, 0.2408, 0.3867**, and the grayscale version is **6.5750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4141, 0.5297, 0.3339**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.4844, 0.6160, 0.3167**, and if you desaturate by 10%, it is **17.2462, 0.5881, 0.3096**.

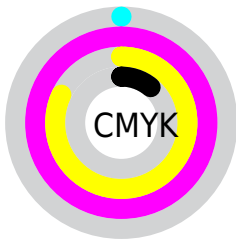
Distribution



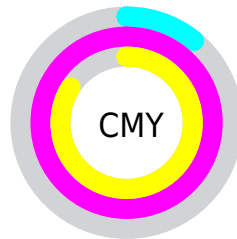
- Red (89%)
- Green (0%)
- Blue (16%)



- Red (89%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4841, 0.6160, 0.3167 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 16.4841, 0.6160, 0.3167 by changing the saturation by 10% instead.


 16.4841, 0.6160,
0.3167


 16.4841, 0.6160,
0.3167


232.1816, 0.4472,
0.3425


 9.8674, 0.6577,
0.3009

 37.4366, 0.5533,
0.3326


 5.3111, 0.7159,
0.2785

 52.5412, 0.5298,
0.3365


 2.4309, 0.7660,
0.2340

 71.2438, 0.5101,
0.3390

 0.8417, 0.8304,
0.1696

 93.9289, 0.4935,
0.3406

 0.0000, 1.0000,
0.0000


 120.9808, 0.4793,
0.3415

 0.0000, 0.0000,
0.0000


 152.7839, 0.4671,

0.3421

 189.7227, 0.4565,
0.3424


 16.4841, 0.6160,
0.3167


 16.4841, 0.6160,
0.3167

 16.4844, 0.6160,
0.3167

 17.2462, 0.5881,
0.3096

 18.7827, 0.5508,
0.3044

 21.3279, 0.5086,
0.3024

 25.0179, 0.4667,
0.3033

 29.9678, 0.4284,
0.3063

■ 36.2785, 0.3954,
0.3105

■ 44.0405, 0.3679,
0.3152

■ 53.3366, 0.3455,
0.3200

■ 64.2435, 0.3273,
0.3246

Harmonies

Analogous

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



16.4841, 0.5203, 0.2394



16.4841, 0.6160, 0.3167



16.4841, 0.5854, 0.4055

Triad

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



16.4841, 0.6160, 0.3167



16.4841, 0.2185, 0.6166



16.4841, 0.1187, 0.1210

Complementary

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



16.4841, 0.6160, 0.3167



58.5263, 0.2408, 0.3867

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.



16.4841, 0.0843, 0.1441



16.4841, 0.6160, 0.3167



16.4841, 0.1218, 0.4031

Square

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



16.4841, 0.6160, 0.3167



16.4841, 0.3460, 0.6321



16.4841, 0.0825, 0.2228



16.4841, 0.1987, 0.1312

Rectangle

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



16.4841, 0.6160, 0.3167



16.4841, 0.5200, 0.4800



16.4841, 0.0825, 0.2228



16.4841, 0.1032, 0.1245

Sweetspot

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



16.4852, 0.6160, 0.3167



57.1053, 0.3684, 0.3151



15.9095, 0.2743, 0.1285



11.2579, 0.3795, 0.3130



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.



16.4852, 0.6160, 0.3167



21.4491, 0.6172, 0.3174



20.9533, 0.5943, 0.3663



14.4093, 0.3265, 0.3249



9.6256, 0.6130, 0.3150



0.7235, 0.5747, 0.2940

Inverse Universe

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



16.4852, 0.6160, 0.3167



21.4491, 0.6172, 0.3174



29.0310, 0.1946, 0.2207



14.4093, 0.3265, 0.3249



9.6256, 0.6130, 0.3150



0.7235, 0.5747, 0.2940

Previews

White Background



This preview shows how the Yxy color 16.4841, 0.6160, 0.3167 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 16.4841, 0.6160, 0.3167 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 16.4841, 0.6160, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 16.4841, 0.6160, 0.3167.



This preview shows how white text looks on a background with the Yxy color 16.4841, 0.6160, 0.3167.

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

16.4841, 0.6160, 0.3167

Protanopia

17.0560, 0.3922, 0.4279

Deuteranopia

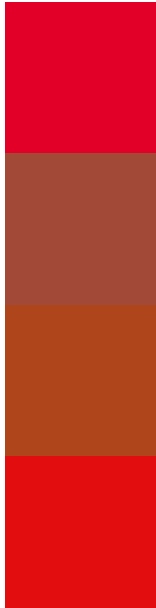
17.0040, 0.4634, 0.4564



Tritanopia

16.6691, 0.6344, 0.3345

Trichromacy



Original Color

16.4841, 0.6160, 0.3167

Protanomaly

12.8275, 0.5030, 0.3550

Deuteranomaly

13.4493, 0.5552, 0.3733

Tritanomaly

16.4911, 0.6312, 0.3295

Monochromacy



Original Color

16.4841, 0.6160, 0.3167

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.8694, 0.4732, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4841, 0.6160, 0.3167 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 40) }
```

Border

The CSS property to change the border of an element to Yxy 16.4841, 0.6160, 0.3167 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, 40) }
```

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

```
.border{ border-color:rgb(227, 0, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 40)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.4841, 0.6160, 0.3167 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, 40) }
```

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

```
.background{ background-color: rgb(227, 0,  
40) }
```

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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