

Converting Colors

$Yxy(16.1152, 0.6078, 0.3122)$

Have a look what the booklet for
Yxy(16.1152, 0.6078, 0.3122)
contains.

Yxy(16.0525, 0.6075, 0.3120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.0525, 0.6075, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	E0002F
RGB	224, 0, 47
RGB Percent	88%, 0%, 18%
CMY	0.1215, 1.0000, 0.8156
CMYK	0.00, 1.00, 0.79, 0.12
HSL	347°, 100%, 44%
HSV	347°, 100%, 88%
XYZ	31.2561, 16.0525, 4.1418
YIQ	72.3340, 118.4170, 62.1050

Conversions

Conversions Part 2

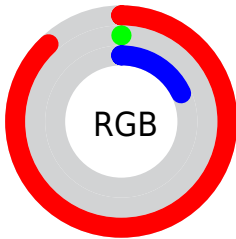
Format	Color
RYB	224, 0, 47
Decimal	14680111
CIELab	47.04, 73.38, 41.43
CIElCh	47, 84.270, 29.451
Yxy	16.0525, 0.6075, 0.3120
Android (android.graphics.Color)	4292870191 (0xFFE0002F)
YUV	72.3340, -12.4897, 133.0111
Hunter-Lab	40.0656, 69.1372, 21.9168

Details

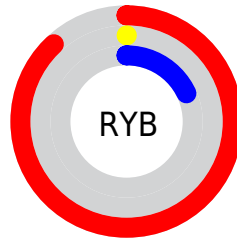
The Yxy color **16.0525, 0.6075, 0.3120** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **56.4905, 0.2440, 0.3985**, and the grayscale version is **6.5482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3626, 0.5220, 0.3270**, and **7.3775, 0.6377, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **16.0541, 0.6075, 0.3120**, and if you desaturate by 10%, it is **16.8164, 0.5782, 0.3040**.

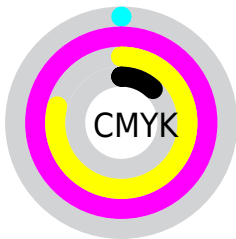
Distribution



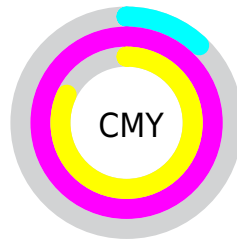
- Red (88%)
- Green (0%)
- Blue (18%)



- Red (88%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0525, 0.6075, 0.3120 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 16.0525, 0.6075, 0.3120 by changing the saturation by 10% instead.


 16.0525, 0.6075,
0.3120


 16.0525, 0.6075,
0.3120


229.6513, 0.4411,
0.3382

 9.5613, 0.6503,
0.2968


 36.6893, 0.5446,
0.3275


 5.1091, 0.7069,
0.2737

 51.6037, 0.5214,
0.3314


 2.3114, 0.7678,
0.2322

 70.0947, 0.5021,
0.3339

 0.7797, 0.8340,
0.1660

 92.5466, 0.4859,
0.3356

 0.0000, 1.0000,
0.0000

 119.3438, 0.4722,
0.3368

 0.0000, 0.0000,
0.0000

 150.8707, 0.4604,

0.3375

187.5118, 0.4501,
0.3380

■ 16.0525, 0.6075,
0.3120

■ 16.0525, 0.6075,
0.3120

■ 16.0541, 0.6075,
0.3120

■ 16.8164, 0.5782,
0.3040

■ 18.3260, 0.5410,
0.2985

■ 20.8095, 0.5000,
0.2967

■ 24.3980, 0.4598,
0.2982

■ 29.2019, 0.4233,
0.3019

■ 35.3182, 0.3918,
0.3069

■ 42.8342, 0.3656,
0.3125

■ 51.8294, 0.3442,
0.3183

■ 62.3776, 0.3268,
0.3238

Harmonies

Analogous

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



16.0525, 0.5028, 0.2353



16.0525, 0.6075, 0.3120



16.0525, 0.5871, 0.3981

Triad

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



16.0525, 0.6075, 0.3120



16.0525, 0.2315, 0.6186



16.0525, 0.1173, 0.1245

Complementary

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



16.0525, 0.6075, 0.3120



56.4905, 0.2440, 0.3985

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.



16.0525, 0.0858, 0.1511



16.0525, 0.6075, 0.3120



16.0525, 0.1313, 0.4207

Square

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



16.0525, 0.6075, 0.3120



16.0525, 0.3589, 0.6202



16.0525, 0.0872, 0.2359



16.0525, 0.1921, 0.1321

Rectangle

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



16.0525, 0.6075, 0.3120



16.0525, 0.5287, 0.4713



16.0525, 0.0872, 0.2359



16.0525, 0.1028, 0.1289

Sweetspot

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



16.0541, 0.6075, 0.3120



57.2202, 0.3661, 0.3124



14.5512, 0.2659, 0.1239



11.2843, 0.3767, 0.3100



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.



16.0541, 0.6075, 0.3120



21.5218, 0.6090, 0.3128



19.4560, 0.6022, 0.3600



13.7474, 0.3259, 0.3241



9.3574, 0.6040, 0.3101



0.6617, 0.5613, 0.2866

Inverse Universe

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



16.0541, 0.6075, 0.3120



21.5218, 0.6090, 0.3128



30.7116, 0.1980, 0.2328



13.7474, 0.3259, 0.3241



9.3574, 0.6040, 0.3101



0.6617, 0.5613, 0.2866

Previews

White Background



This preview shows how the Yxy color 16.0525, 0.6075, 0.3120 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 16.0525, 0.6075, 0.3120 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 16.0525, 0.6075, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 16.0525, 0.6075, 0.3120.



This preview shows how white text looks on a background with the Yxy color 16.0525, 0.6075, 0.3120.

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

16.0525, 0.6075, 0.3120

Protanopia

16.7876, 0.3795, 0.4110

Deuteranopia

16.6637, 0.4551, 0.4477



Tritanopia

16.1992, 0.6324, 0.3336

Trichromacy



Original Color

16.0525, 0.6075, 0.3120



Protanomaly

12.5976, 0.4861, 0.3445



Deuteranomaly

13.1605, 0.5425, 0.3666



Tritanomaly

16.0263, 0.6283, 0.3280

Monochromacy



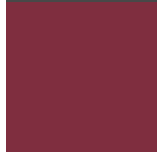
Original Color

16.0525, 0.6075, 0.3120



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.8249, 0.4638, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0525, 0.6075, 0.3120 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(224, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 47)  
}
```

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(224, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 47) }
```

Border

The CSS property to change the border of an element to Yxy 16.0525, 0.6075, 0.3120 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(224, 0, 47) }
```

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

```
.border{ border-color:rgb(224, 0, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0525, 0.6075, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 47) }
```

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

```
.background{ background-color: rgb(224, 0,  
47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor