

Converting Colors

$Yxy(16.6312, 0.5942, 0.3047)$

Have a look what the booklet for
Yxy(16.6312, 0.5942, 0.3047)
contains.

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Color

Yxy(16.6364, 0.5944, 0.3048)

Conversions

Conversions Part 1

Format	Color
Hex	E3003A
RGB	227, 0, 58
RGB Percent	89%, 0%, 23%
CMY	0.1098, 0.9999, 0.7726
CMYK	0.00, 1.00, 0.74, 0.11
HSL	345°, 100%, 45%
HSV	345°, 100%, 89%
XYZ	32.4432, 16.6364, 5.5018
YIQ	74.4850, 116.6740, 66.1620

Conversions

Conversions Part 2

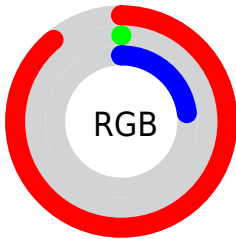
Format	Color
RYB	227, 0, 58
Decimal	14876730
CIELab	47.80, 74.44, 36.06
CIELCh	48, 82.713, 25.845
Yxy	16.6364, 0.5944, 0.3048
Android (android.graphics.Color)	4293066810 (0xFFE3003A)
YUV	74.4850, -8.1271, 133.7557
Hunter-Lab	40.7877, 70.6029, 20.5539

Details

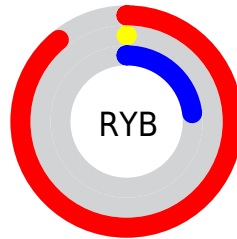
The Yxy color **16.6364, 0.5944, 0.3048** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **57.8071, 0.2486, 0.4149**, and the grayscale version is **6.9402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7621, 0.5062, 0.3170**, and **7.7219, 0.6263, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **16.6368, 0.5944, 0.3048**, and if you desaturate by 10%, it is **17.4400, 0.5641, 0.2959**.

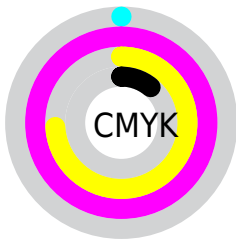
Distribution



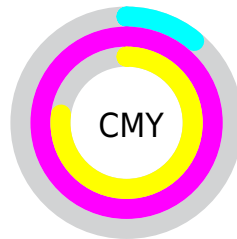
- Red (89%)
- Green (0%)
- Blue (23%)



- Red (89%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6364, 0.5944, 0.3048 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 16.6364, 0.5944, 0.3048 by changing the saturation by 10% instead.


 16.6364, 0.5944,
0.3048


 16.6364, 0.5944,
0.3048

233.0683, 0.4345,
0.3322


 9.9756, 0.6370,
0.2907


 37.6996, 0.5332,
0.3197


 5.3828, 0.6906,
0.2681

 52.8707, 0.5109,
0.3237


 2.4736, 0.7663,
0.2337

 71.6474, 0.4925,
0.3265

 0.8634, 0.8301,
0.1699

 94.4141, 0.4770,
0.3285

 0.0000, 1.0000,
0.0000

 121.5551, 0.4639,
0.3299

 0.0000, 0.0000,
0.0000

 153.4549, 0.4527,

0.3309

190.4978, 0.4430,
0.3317

■ 16.6364, 0.5944,
0.3048

■ 16.6364, 0.5944,
0.3048

■ 16.6368, 0.5944,
0.3048

■ 17.4400, 0.5641,
0.2959

■ 19.0100, 0.5277,
0.2903

■ 21.5785, 0.4886,
0.2889

■ 25.2799, 0.4508,
0.2911

■ 30.2276, 0.4166,
0.2958

■ 36.5210, 0.3872,
0.3021

■ 44.2495, 0.3626,
0.3090

■ 53.4947, 0.3424,
0.3159

■ 64.3322, 0.3260,
0.3227

Harmonies

Analogous

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



16.6364, 0.4784, 0.2291



16.6364, 0.5944, 0.3048



16.6364, 0.5891, 0.3881

Triad

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



16.6364, 0.5944, 0.3048



16.6364, 0.2497, 0.6200



16.6364, 0.1152, 0.1295

Complementary

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



16.6364, 0.5944, 0.3048



57.8071, 0.2486, 0.4149

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.



16.6364, 0.0881, 0.1614



16.6364, 0.5944, 0.3048



16.6364, 0.1451, 0.4452

Square

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



16.6364, 0.5944, 0.3048



16.6364, 0.3763, 0.6035



16.6364, 0.0941, 0.2553



16.6364, 0.1832, 0.1332

Rectangle

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



16.6364, 0.5944, 0.3048



16.6364, 0.5381, 0.4576



16.6364, 0.0941, 0.2553



16.6364, 0.1023, 0.1354

Sweetspot

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



16.6375, 0.5944, 0.3048



57.3789, 0.3631, 0.3088



13.7054, 0.2534, 0.1170



11.3210, 0.3730, 0.3059



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.



16.6375, 0.5944, 0.3048



21.6430, 0.5959, 0.3056



18.8766, 0.6132, 0.3513



14.4281, 0.3252, 0.3230



9.7182, 0.5907, 0.3028



0.7329, 0.5493, 0.2799

Inverse Universe

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



16.6375, 0.5944, 0.3048



21.6430, 0.5959, 0.3056



35.8349, 0.2030, 0.2508



14.4281, 0.3252, 0.3230



9.7182, 0.5907, 0.3028



0.7329, 0.5493, 0.2799

Previews

White Background



This preview shows how the Yxy color 16.6364, 0.5944, 0.3048 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 16.6364, 0.5944, 0.3048 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 16.6364, 0.5944, 0.3048

Background



This preview shows how black text looks on a background with the Yxy color 16.6364, 0.5944, 0.3048.



This preview shows how white text looks on a background with the Yxy color 16.6364, 0.5944, 0.3048.

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

16.6364, 0.5944, 0.3048

Protanopia

17.1605, 0.3587, 0.3842

Deuteranopia

17.2706, 0.4420, 0.4349



Tritanopia

16.8594, 0.6267, 0.3324

Trichromacy



Original Color

16.6364, 0.5944, 0.3048



Protanomaly

12.8640, 0.4643, 0.3248



Deuteranomaly

13.6093, 0.5265, 0.3543



Tritanomaly

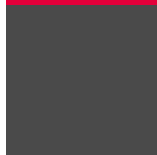
16.6093, 0.6205, 0.3243

Monochromacy



Original Color

16.6364, 0.5944, 0.3048



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.1962, 0.4556, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6364, 0.5944, 0.3048 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 58) }
```

Border

The CSS property to change the border of an element to Yxy 16.6364, 0.5944, 0.3048 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, 58) }
```

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

```
.border{ border-color:rgb(227, 0, 58) }
```

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, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 58)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.6364, 0.5944, 0.3048 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, 58) }
```

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

```
.background{ background-color: rgb(227, 0,  
58) }
```

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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