

Converting Colors

$Y_{xy}(16.4636, 0.6179, 0.3177)$

Have a look what the booklet for
Yxy(16.4636, 0.6179, 0.3177)
contains.

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Color

Yxy(16.4708, 0.6180, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	E30026
RGB	227, 0, 38
RGB Percent	89%, 0%, 15%
CMY	0.1098, 0.9999, 0.8509
CMYK	0.00, 1.00, 0.83, 0.11
HSL	350°, 100%, 45%
HSV	350°, 100%, 89%
XYZ	32.0294, 16.4708, 3.3273
YIQ	72.2050, 123.0940, 59.9420

Conversions

Conversions Part 2

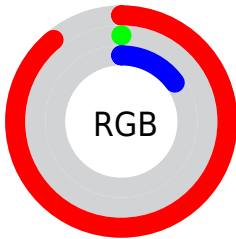
Format	Color
RYB	227, 0, 38
Decimal	14876710
CIELab	47.59, 73.86, 47.10
CIElCh	48, 87.605, 32.526
Yxy	16.4708, 0.6180, 0.3178
Android (android.graphics.Color)	4293066790 (0xFFE30026)
YUV	72.2050, -16.8631, 135.7552
Hunter-Lab	40.5842, 69.8514, 23.5480

Details

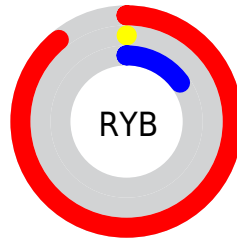
The Yxy color **16.4708, 0.6180, 0.3178** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **58.6133, 0.2399, 0.3836**, and the grayscale version is **6.5342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3823, 0.5319, 0.3355**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.4712, 0.6180, 0.3178**, and if you desaturate by 10%, it is **17.2278, 0.5905, 0.3109**.

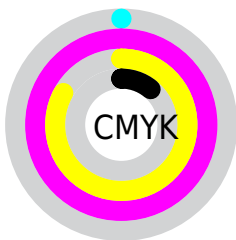
Distribution



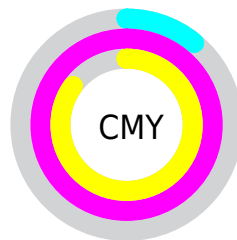
- Red (89%)
- Green (0%)
- Blue (15%)



- Red (89%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4708, 0.6180, 0.3178 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 16.4708, 0.6180, 0.3178 by changing the saturation by 10% instead.


 16.4708, 0.6180,
0.3178


 16.4708, 0.6180,
0.3178


232.1040, 0.4485,
0.3436


 9.8579, 0.6595,
0.3018


 37.4136, 0.5552,
0.3339


 5.3049, 0.7187,
0.2796

 52.5124, 0.5317,
0.3378


 2.4272, 0.7660,
0.2340

 71.2085, 0.5119,
0.3402

 0.8398, 0.8304,
0.1696

 93.8864, 0.4952,
0.3418

 0.0000, 1.0000,
0.0000


 120.9305, 0.4809,
0.3427


 0.0000, 0.0000,
0.0000

 152.7252, 0.4686,

0.3433


 189.6549, 0.4579,
0.3435


 16.4708, 0.6180,
0.3178

 16.4708, 0.6180,
0.3178


 16.4712, 0.6180,
0.3178

 17.2278, 0.5905,
0.3109

 18.7599, 0.5533,
0.3059

 21.3017, 0.5108,
0.3039

 24.9897, 0.4684,
0.3047

 29.9391, 0.4297,
0.3075

■ 36.2509, 0.3963,
0.3114

■ 44.0160, 0.3685,
0.3159

■ 53.3173, 0.3458,
0.3204

■ 64.2315, 0.3275,
0.3249

Harmonies

Analogous

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



16.4708, 0.5246, 0.2404



16.4708, 0.6180, 0.3178



16.4708, 0.5851, 0.4074

Triad

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



16.4708, 0.6180, 0.3178



16.4708, 0.2153, 0.6160



16.4708, 0.1191, 0.1201

Complementary

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



16.4708, 0.6180, 0.3178



58.6133, 0.2399, 0.3836

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.



16.4708, 0.0839, 0.1424



16.4708, 0.6180, 0.3178



16.4708, 0.1195, 0.3988

Square

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



16.4708, 0.6180, 0.3178



16.4708, 0.3428, 0.6351



16.4708, 0.0814, 0.2197



16.4708, 0.2003, 0.1310

Rectangle

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



16.4708, 0.6180, 0.3178



16.4708, 0.5178, 0.4822



16.4708, 0.0814, 0.2197



16.4708, 0.1032, 0.1234

Sweetspot

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



16.4719, 0.6180, 0.3178



57.0754, 0.3690, 0.3158



15.9094, 0.2743, 0.1285



11.2510, 0.3802, 0.3139



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.



16.4719, 0.6180, 0.3178



21.4322, 0.6192, 0.3185



20.9530, 0.5943, 0.3663



14.4072, 0.3266, 0.3251



9.6174, 0.6151, 0.3162



0.7225, 0.5776, 0.2955

Inverse Universe

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



16.4719, 0.6180, 0.3178



21.4322, 0.6192, 0.3185



29.0307, 0.1946, 0.2207



14.4072, 0.3266, 0.3251



9.6174, 0.6151, 0.3162



0.7225, 0.5776, 0.2955

Previews

White Background



This preview shows how the Yxy color 16.4708, 0.6180, 0.3178 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 16.4708, 0.6180, 0.3178 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 16.4708, 0.6180, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 16.4708, 0.6180, 0.3178.



This preview shows how white text looks on a background with the Yxy color 16.4708, 0.6180, 0.3178.

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

16.4708, 0.6180, 0.3178

Protanopia

17.1104, 0.3959, 0.4307

Deuteranopia

16.9861, 0.4659, 0.4596



Tritanopia

16.6691, 0.6344, 0.3345

Trichromacy



Original Color

16.4708, 0.6180, 0.3178



Protanomaly

12.8087, 0.5061, 0.3576



Deuteranomaly

13.4281, 0.5592, 0.3764



Tritanomaly

16.4883, 0.6316, 0.3297

Monochromacy



Original Color

16.4708, 0.6180, 0.3178



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 16.4708, 0.6180, 0.3178 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, 38)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 38) }
```

Border

The CSS property to change the border of an element to Yxy 16.4708, 0.6180, 0.3178 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, 38) }
```

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

```
.border{ border-color:rgb(227, 0, 38) }
```

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, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.4708, 0.6180, 0.3178 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, 38) }
```

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

```
.background{ background-color: rgb(227, 0,  
38) }
```

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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