

Converting Colors

$Yxy(17.8188, 0.6079, 0.3123)$

Have a look what the booklet for
Yxy(17.8188, 0.6079, 0.3123)
contains.

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Color

Yxy(17.8839, 0.6084, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	EB0031
RGB	235, 0, 49
RGB Percent	92%, 0%, 19%
CMY	0.0784, 1.0000, 0.8077
CMYK	0.00, 1.00, 0.79, 0.08
HSL	347°, 100%, 46%
HSV	347°, 100%, 92%
XYZ	34.8178, 17.8839, 4.5268
YIQ	75.8510, 124.3310, 65.0590

Conversions

Conversions Part 2

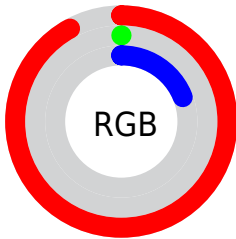
Format	Color
RYB	235, 0, 49
Decimal	15401009
CIELab	49.35, 76.06, 43.40
CIELCh	49, 87.566, 29.708
Yxy	17.8839, 0.6084, 0.3125
Android (android.graphics.Color)	4293591089 (0xFFEB0031)
YUV	75.8510, -13.2375, 139.5737
Hunter-Lab	42.2894, 72.9568, 23.2560

Details

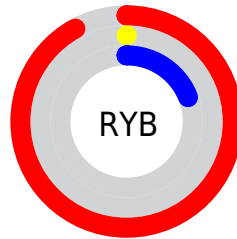
The Yxy color **17.8839, 0.6084, 0.3125** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **62.9644, 0.2440, 0.3983**, and the grayscale version is **7.2072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9332, 0.5163, 0.3270**, and **8.4460, 0.6366, 0.3281** is the 20% darker color. If you saturate the color by 10%, you get **17.8854, 0.6084, 0.3125**, and if you desaturate by 10%, it is **18.7091, 0.5794, 0.3044**.

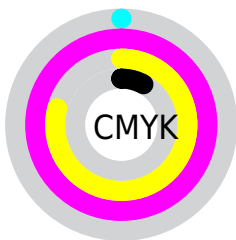
Distribution



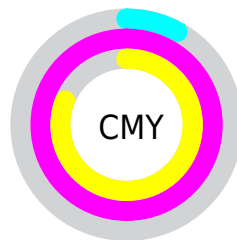
- Red (92%)
- Green (0%)
- Blue (19%)



- Red (92%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8839, 0.6084, 0.3125 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 17.8839, 0.6084, 0.3125 by changing the saturation by 10% instead.


 17.8839, 0.6084,
0.3125


 17.8839, 0.6084,
0.3125


240.2158, 0.4444,
0.3386


 10.8667, 0.6495,
0.2979


 39.8394, 0.5473,
0.3277


 5.9772, 0.7014,
0.2753

 55.5464, 0.5245,
0.3316


 2.8312, 0.7620,
0.2380

 74.9189, 0.5054,
0.3342

 1.0443, 0.8226,
0.1774

 98.3411, 0.4893,
0.3359

 0.0000, 1.0000,
0.0000

 126.1975, 0.4756,
0.3371

 0.0000, 0.0000,
0.0000

 158.8725, 0.4637,

0.3378

196.7505, 0.4535,
0.3383

■ 17.8839, 0.6084,
0.3125

■ 17.8839, 0.6084,
0.3125

■ 17.8854, 0.6084,
0.3125

■ 18.7091, 0.5794,
0.3044

■ 20.3721, 0.5422,
0.2988

■ 23.1231, 0.5011,
0.2969

■ 27.1100, 0.4607,
0.2983

■ 32.4572, 0.4239,
0.3020

■ 39.2741, 0.3923,
0.3070

■ 47.6587, 0.3659,
0.3126

■ 57.7007, 0.3443,
0.3183

■ 69.4828, 0.3268,
0.3238

Harmonies

Analogous

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



17.8839, 0.5046, 0.2357



17.8839, 0.6084, 0.3125



17.8839, 0.5866, 0.3987

Triad

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



17.8839, 0.6084, 0.3125



17.8839, 0.2302, 0.6185



17.8839, 0.1174, 0.1241

Complementary

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



17.8839, 0.6084, 0.3125



62.9644, 0.2440, 0.3983

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.



17.8839, 0.0857, 0.1504



17.8839, 0.6084, 0.3125



17.8839, 0.1303, 0.4189

Square

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



17.8839, 0.6084, 0.3125



17.8839, 0.3572, 0.6208



17.8839, 0.0867, 0.2346



17.8839, 0.1928, 0.1320

Rectangle

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



17.8839, 0.6084, 0.3125



17.8839, 0.5278, 0.4722



17.8839, 0.0867, 0.2346



17.8839, 0.1029, 0.1285

Sweetspot

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



17.8854, 0.6084, 0.3125



57.2160, 0.3662, 0.3125



16.1998, 0.2658, 0.1238



11.2834, 0.3768, 0.3101



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.



17.8854, 0.6084, 0.3125



21.5190, 0.6093, 0.3130



21.6285, 0.6027, 0.3596



15.1055, 0.3260, 0.3241



9.9683, 0.6048, 0.3106



0.7964, 0.5671, 0.2898

Inverse Universe

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



17.8854, 0.6084, 0.3125



21.5190, 0.6093, 0.3130



34.1597, 0.1979, 0.2325



15.1055, 0.3260, 0.3241



9.9683, 0.6048, 0.3106



0.7964, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 17.8839, 0.6084, 0.3125 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 17.8839, 0.6084, 0.3125 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8839, 0.6084, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 17.8839, 0.6084, 0.3125.



This preview shows how white text looks on a background with the Yxy color 17.8839, 0.6084, 0.3125.

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

17.8839, 0.6084, 0.3125

Protanopia

18.4475, 0.3808, 0.4114

Deuteranopia

18.4041, 0.4557, 0.4471



Tritanopia

18.0375, 0.6331, 0.3337

Trichromacy



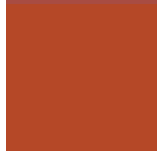
Original Color

17.8839, 0.6084, 0.3125



Protanomaly

13.8871, 0.4880, 0.3437



Deuteranomaly

14.6050, 0.5443, 0.3657



Tritanomaly

17.8308, 0.6295, 0.3282

Monochromacy



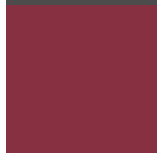
Original Color

17.8839, 0.6084, 0.3125



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.5756, 0.4667, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8839, 0.6084, 0.3125 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(235, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 49)  
}
```

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(235, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 49) }
```

Border

The CSS property to change the border of an element to Yxy 17.8839, 0.6084, 0.3125 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(235, 0, 49) }
```

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

```
.border{ border-color:rgb(235, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.8839, 0.6084, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 49) }
```

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

```
.background{ background-color: rgb(235, 0,  
49) }
```

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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