

Converting Colors

$Y_{xy}(17.6677, 0.6291, 0.3239)$

Have a look what the booklet for
Yxy(17.6677, 0.6291, 0.3239)
contains.

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Color

Yxy(17.7367, 0.6290, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	EB001A
RGB	235, 0, 26
RGB Percent	92%, 0%, 10%
CMY	0.0783, 1.0000, 0.8980
CMYK	0.00, 1.00, 0.89, 0.08
HSL	353°, 100%, 46%
HSV	353°, 100%, 92%
XYZ	34.4546, 17.7367, 2.5855
YIQ	73.2290, 131.7140, 57.9060

Conversions

Conversions Part 2

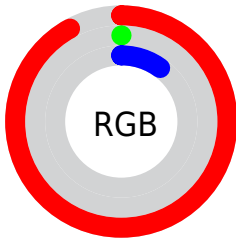
Format	Color
RYB	235, 0, 26
Decimal	15400986
CIELab	49.18, 75.58, 54.89
CIELCh	49, 93.409, 35.986
Yxy	17.7367, 0.6290, 0.3238
Android (android.graphics.Color)	4293591066 (0xFFEB001A)
YUV	73.2290, -23.2839, 141.8732
Hunter-Lab	42.1150, 72.3310, 25.8406

Details

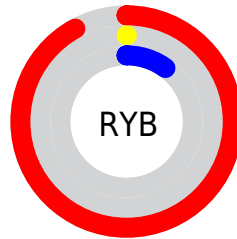
The Yxy color **17.7367, 0.6290, 0.3238** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **64.0370, 0.2345, 0.3643**, and the grayscale version is **6.7307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4087, 0.5420, 0.3443**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.7416, 0.6289, 0.3238**, and if you desaturate by 10%, it is **18.5044, 0.6051, 0.3190**.

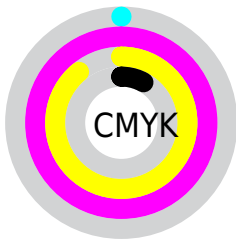
Distribution



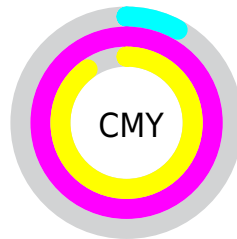
- Red (92%)
- Green (0%)
- Blue (10%)



- Red (92%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7367, 0.6290, 0.3238 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 17.7367, 0.6290, 0.3238 by changing the saturation by 10% instead.


 17.7367, 0.6290,
0.3238


 17.7367, 0.6290,
0.3238


239.3827, 0.4586,
0.3500


 10.7611, 0.6678,
0.3070


 39.5882, 0.5680,
0.3408


 5.9064, 0.7177,
0.2823

 55.2328, 0.5444,
0.3449


 2.7883, 0.7618,
0.2382

 74.5360, 0.5244,
0.3474

 1.0222, 0.8227,
0.1773

 97.8820, 0.5072,
0.3488


 0.0000, 1.0000,
0.0000

 125.6553, 0.4925,
0.3497

 0.0000, 0.0000,
0.0000


 158.2402, 0.4797,

0.3500


 196.0213, 0.4685,
0.3501

 17.7367, 0.6290,
0.3238


 17.7367, 0.6290,
0.3238


 17.7416, 0.6289,
0.3238

 18.5044, 0.6051,
0.3190

 20.1155, 0.5689,
0.3151

 22.8277, 0.5252,
0.3132

 26.7918, 0.4803,
0.3133

 32.1353, 0.4386,
0.3149

■ 38.9697, 0.4025,
0.3174

■ 47.3952, 0.3725,
0.3204

■ 57.5033, 0.3481,
0.3234

■ 69.3784, 0.3285,
0.3263

Harmonies

Analogous

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



17.7367, 0.5504, 0.2458



17.7367, 0.6290, 0.3238



17.7367, 0.5817, 0.4183

Triad

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



17.7367, 0.6290, 0.3238



17.7367, 0.1961, 0.6111



17.7367, 0.1212, 0.1151

Complementary

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



17.7367, 0.6290, 0.3238



64.0370, 0.2345, 0.3643

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.



17.7367, 0.0815, 0.1326



17.7367, 0.6290, 0.3238



17.7367, 0.1062, 0.3728

Square

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



17.7367, 0.6290, 0.3238



17.7367, 0.3233, 0.6530



17.7367, 0.0748, 0.2015



17.7367, 0.2103, 0.1296

Rectangle

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



17.7367, 0.6290, 0.3238



17.7367, 0.5046, 0.4954



17.7367, 0.0748, 0.2015



17.7367, 0.1036, 0.1170

Sweetspot

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



17.7416, 0.6289, 0.3238



56.8865, 0.3729, 0.3203



19.3529, 0.2912, 0.1378



11.2078, 0.3849, 0.3191



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.



17.7416, 0.6289, 0.3238



21.3449, 0.6295, 0.3242



24.9952, 0.5769, 0.3801



15.0811, 0.3275, 0.3264



9.8804, 0.6266, 0.3225



0.7849, 0.5986, 0.3071

Inverse Universe

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



17.7416, 0.6289, 0.3238



21.3449, 0.6295, 0.3242



26.2304, 0.1878, 0.1962



15.0811, 0.3275, 0.3264



9.8804, 0.6266, 0.3225



0.7849, 0.5986, 0.3071

Previews

White Background



This preview shows how the Yxy color 17.7367, 0.6290, 0.3238 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 17.7367, 0.6290, 0.3238 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 17.7367, 0.6290, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 17.7367, 0.6290, 0.3238.



This preview shows how white text looks on a background with the Yxy color 17.7367, 0.6290, 0.3238.

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

17.7367, 0.6290, 0.3238

Protanopia

18.3044, 0.4128, 0.4545

Deuteranopia

18.2943, 0.4699, 0.4651



Tritanopia

18.0288, 0.6344, 0.3344

Trichromacy



Original Color

17.7367, 0.6290, 0.3238

Protanomaly

13.7504, 0.5274, 0.3755

Deuteranomaly

14.4782, 0.5664, 0.3828

Tritanomaly

17.8000, 0.6341, 0.3307

Monochromacy



Original Color

17.7367, 0.6290, 0.3238

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.1450, 0.4898, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7367, 0.6290, 0.3238 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 26) }
```

Border

The CSS property to change the border of an element to Yxy 17.7367, 0.6290, 0.3238 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, 26) }
```

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

```
.border{ border-color:rgb(235, 0, 26) }
```

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, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7367, 0.6290, 0.3238 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, 26) }
```

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

```
.background{ background-color: rgb(235, 0,  
26) }
```

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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