

Converting Colors

$Y_{xy}(17.7082, 0.6232, 0.3207)$

Have a look what the booklet for
Yxy(17.7082, 0.6232, 0.3207)
contains.

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Color

Yxy(17.7777, 0.6231, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	EB0022
RGB	235, 0, 34
RGB Percent	92%, 0%, 13%
CMY	0.0784, 1.0000, 0.8668
CMYK	0.00, 1.00, 0.86, 0.08
HSL	351°, 100%, 46%
HSV	351°, 100%, 92%
XYZ	34.5517, 17.7777, 3.1219
YIQ	74.1410, 129.1460, 60.3940

Conversions

Conversions Part 2

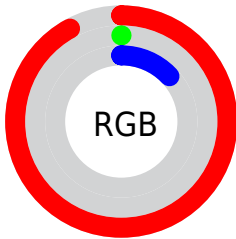
Format	Color
RYB	235, 0, 34
Decimal	15400994
CIELab	49.23, 75.70, 51.24
CIELCh	49, 91.415, 34.095
Yxy	17.7777, 0.6231, 0.3206
Android (android.graphics.Color)	4293591074 (0xFFEB0022)
YUV	74.1410, -19.7895, 141.0733
Hunter-Lab	42.1636, 72.4887, 25.1245

Details

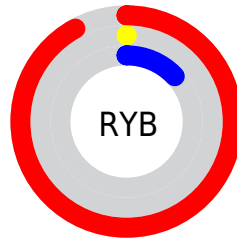
The Yxy color **17.7777, 0.6231, 0.3206** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **63.6402, 0.2377, 0.3758**, and the grayscale version is **6.8927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5084, 0.5345, 0.3388**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.7790, 0.6231, 0.3206**, and if you desaturate by 10%, it is **18.5636, 0.5971, 0.3144**.

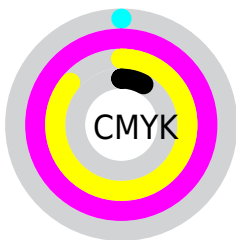
Distribution



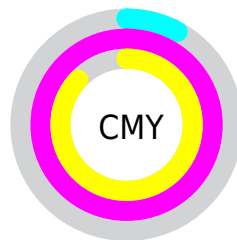
- Red (92%)
- Green (0%)
- Blue (13%)



- Red (92%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (8%)



- Cyan (8%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7777, 0.6231, 0.3206 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 17.7777, 0.6231, 0.3206 by changing the saturation by 10% instead.


 17.7777, 0.6231,
0.3206


 17.7777, 0.6231,
0.3206


239.6151, 0.4542,
0.3464


 10.7905, 0.6628,
0.3046


 39.6582, 0.5618,
0.3369


 5.9261, 0.7178,
0.2822

 55.3202, 0.5383,
0.3409

 2.8002, 0.7618,
0.2382

 74.6427, 0.5185,
0.3433

 1.0283, 0.8227,
0.1773

 98.0100, 0.5017,
0.3449

 0.0000, 1.0000,
0.0000

 125.8065, 0.4872,
0.3458

 0.0000, 0.0000,
0.0000

 158.4165, 0.4747,


0.3462


 196.2246, 0.4638,
0.3464


 17.7777, 0.6231,
0.3206


 17.7777, 0.6231,
0.3206


 17.7790, 0.6231,
0.3206


 18.5636, 0.5971,
0.3144

 20.1937, 0.5602,
0.3097

 22.9204, 0.5171,
0.3077

 26.8934, 0.4736,
0.3082

 32.2391, 0.4335,
0.3105

 39.0679, 0.3990,
0.3138

 47.4794, 0.3702,
0.3177

 57.5642, 0.3468,
0.3216

 69.4063, 0.3279,
0.3254

Harmonies

Analogous

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



17.7777, 0.5361, 0.2429



17.7777, 0.6231, 0.3206



17.7777, 0.5835, 0.4122

Triad

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



17.7777, 0.6231, 0.3206



17.7777, 0.2067, 0.6140



17.7777, 0.1200, 0.1179

Complementary

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



17.7777, 0.6231, 0.3206



63.6402, 0.2377, 0.3758

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.



17.7777, 0.0828, 0.1379



17.7777, 0.6231, 0.3206



17.7777, 0.1135, 0.3872

Square

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



17.7777, 0.6231, 0.3206



17.7777, 0.3341, 0.6428



17.7777, 0.0784, 0.2114



17.7777, 0.2048, 0.1304

Rectangle

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



17.7777, 0.6231, 0.3206



17.7777, 0.5120, 0.4880



17.7777, 0.0784, 0.2114



17.7777, 0.1034, 0.1205

Sweetspot

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



17.7790, 0.6231, 0.3206



56.9986, 0.3706, 0.3176



18.2446, 0.2827, 0.1331



11.2334, 0.3821, 0.3159



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.



17.7790, 0.6231, 0.3206



21.3927, 0.6238, 0.3210



23.7364, 0.5860, 0.3729



15.0895, 0.3270, 0.3256



9.9052, 0.6202, 0.3190



0.7888, 0.5872, 0.3009

Inverse Universe

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



17.7790, 0.6231, 0.3206



21.3927, 0.6238, 0.3210



28.7012, 0.1912, 0.2083



15.0895, 0.3270, 0.3256



9.9052, 0.6202, 0.3190



0.7888, 0.5872, 0.3009

Previews

White Background



This preview shows how the Yxy color 17.7777, 0.6231, 0.3206 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 17.7777, 0.6231, 0.3206 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 17.7777, 0.6231, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 17.7777, 0.6231, 0.3206.



This preview shows how white text looks on a background with the Yxy color 17.7777, 0.6231, 0.3206.

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

17.7777, 0.6231, 0.3206

Protanopia

18.3847, 0.4043, 0.4418

Deuteranopia

18.2943, 0.4699, 0.4651



Tritanopia

18.0288, 0.6344, 0.3344

Trichromacy



Original Color

17.7777, 0.6231, 0.3206



Protanomaly

13.8173, 0.5162, 0.3662



Deuteranomaly

14.4850, 0.5651, 0.3818



Tritanomaly

17.8068, 0.6330, 0.3302

Monochromacy



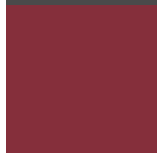
Original Color

17.7777, 0.6231, 0.3206



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.3353, 0.4831, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7777, 0.6231, 0.3206 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 34) }
```

Border

The CSS property to change the border of an element to Yxy 17.7777, 0.6231, 0.3206 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, 34) }
```

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

```
.border{ border-color:rgb(235, 0, 34) }
```

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, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7777, 0.6231, 0.3206 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, 34) }
```

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

```
.background{ background-color: rgb(235, 0,  
34) }
```

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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