

Converting Colors

$Y_{xy}(17.1877, 0.6364, 0.3280)$

Have a look what the booklet for
Yxy(17.1877, 0.6364, 0.3280)
contains.

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Color

Yxy(17.1800, 0.6363, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	E8000B
RGB	232, 0, 11
RGB Percent	91%, 0%, 4%
CMY	0.0902, 0.9997, 0.9568
CMYK	0.00, 1.00, 0.95, 0.09
HSL	357°, 100%, 46%
HSV	357°, 100%, 91%
XYZ	33.3383, 17.1800, 1.8757
YIQ	70.6220, 134.7410, 52.6050

Conversions

Conversions Part 2

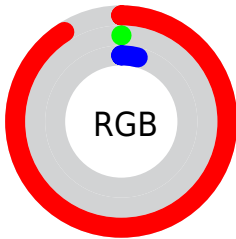
Format	Color
R_{YB}	232, 0, 11
Decimal	15204363
CIE Lab	48.49, 74.66, 59.53
CIE LCh	48, 95.489, 38.566
Yxy	17.1800, 0.6363, 0.3279
Android (android.graphics.Color)	4293394443 (0xFFE8000B)
YUV	70.6220, -29.3936, 141.5285
Hunter-Lab	41.4488, 71.0368, 26.3310

Details

The Yxy color **17.1800, 0.6363, 0.3279** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **62.9358, 0.2287, 0.3434**, and the grayscale version is **6.2761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0900, 0.5544, 0.3518**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.1791, 0.6363, 0.3279**, and if you desaturate by 10%, it is **17.8897, 0.6172, 0.3260**.

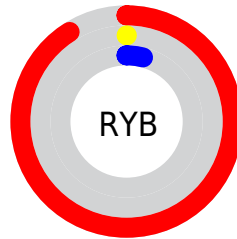
Distribution



Red (91%)

Green (0%)

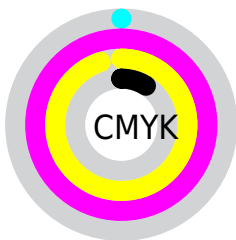
Blue (4%)



Red (91%)

Yellow (0%)

Blue (4%)

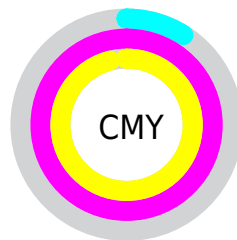


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1800, 0.6363, 0.3279 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 17.1800, 0.6363, 0.3279 by changing the saturation by 10% instead.


 17.1800, 0.6363,
0.3279


 17.1800, 0.6363,
0.3279


 236.2075, 0.4641,
0.3550


 10.3629, 0.6753,
0.3104


 38.6350, 0.5758,
0.3462


 5.6402, 0.7182,
0.2818

 54.0417, 0.5520,
0.3505


 2.6276, 0.7632,
0.2368

 73.0804, 0.5316,
0.3530

 0.9405, 0.8255,
0.1745

 96.1355, 0.5141,
0.3544


 0.0000, 1.0000,
0.0000


 123.5913, 0.4990,
0.3551


 0.0000, 0.0000,
0.0000


 155.8324, 0.4858,

0.3553


 193.2430, 0.4742,
0.3553


 17.1800, 0.6363,
0.3279


 17.1800, 0.6363,
0.3279


 17.1791, 0.6363,
0.3279

 17.8897, 0.6172,
0.3260

 19.4251, 0.5834,
0.3241

 22.0364, 0.5393,
0.3230

 25.8726, 0.4922,
0.3228

 31.0589, 0.4478,
0.3233

■ 37.7052, 0.4090,
0.3243

■ 45.9102, 0.3767,
0.3254

■ 55.7639, 0.3505,
0.3267

■ 67.3495, 0.3295,
0.3279

Harmonies

Analogous

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



17.1800, 0.5703, 0.2495



17.1800, 0.6363, 0.3279



17.1800, 0.5754, 0.4246

Triad

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



17.1800, 0.6363, 0.3279



17.1800, 0.1812, 0.6057



17.1800, 0.1228, 0.1112

Complementary

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



17.1800, 0.6363, 0.3279



62.9358, 0.2287, 0.3434

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.



17.1800, 0.0796, 0.1253



17.1800, 0.6363, 0.3279



17.1800, 0.0965, 0.3526

Square

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



17.1800, 0.6363, 0.3279



17.1800, 0.3080, 0.6677



17.1800, 0.0700, 0.1882



17.1800, 0.2185, 0.1284

Rectangle

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



17.1800, 0.6363, 0.3279



17.1800, 0.4937, 0.5063



17.1800, 0.0700, 0.1882



17.1800, 0.1039, 0.1122

Sweetspot

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



17.1811, 0.6363, 0.3279



56.6818, 0.3773, 0.3254



21.1060, 0.3083, 0.1472



11.1613, 0.3902, 0.3249



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.



17.1811, 0.6363, 0.3279



21.2866, 0.6367, 0.3281



27.1457, 0.5576, 0.3955



14.3789, 0.3285, 0.3279



9.5427, 0.6349, 0.3271



0.7091, 0.6207, 0.3193

Inverse Universe

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



17.1811, 0.6363, 0.3279



21.2866, 0.6367, 0.3281



21.1701, 0.1813, 0.1726



14.3789, 0.3285, 0.3279



9.5427, 0.6349, 0.3271



0.7091, 0.6207, 0.3193

Previews

White Background



This preview shows how the Yxy color 17.1800, 0.6363, 0.3279 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 17.1800, 0.6363, 0.3279 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 17.1800, 0.6363, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 17.1800, 0.6363, 0.3279.



This preview shows how white text looks on a background with the Yxy color 17.1800, 0.6363, 0.3279.

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

17.1800, 0.6363, 0.3279

Protanopia

17.6577, 0.4248, 0.4689

Deuteranopia

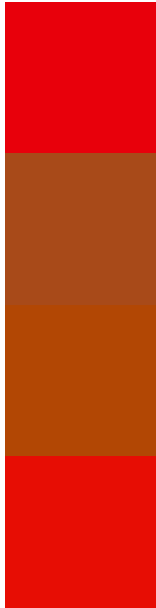
17.5719, 0.4694, 0.4655



Tritanopia

17.3593, 0.6342, 0.3346

Trichromacy



Original Color

17.1800, 0.6363, 0.3279

Protanomaly

13.2926, 0.5432, 0.3846

Deuteranomaly

13.9802, 0.5678, 0.3847

Tritanomaly

17.2855, 0.6356, 0.3317

Monochromacy



Original Color

17.1800, 0.6363, 0.3279

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.8443, 0.5045, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1800, 0.6363, 0.3279 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(232, 0, 11)` looks like.

```
.text, #text, p{  
  color:rgb(232, 0, 11)  
}
```

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(232, 0, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 11) }
```

Border

The CSS property to change the border of an element to Yxy 17.1800, 0.6363, 0.3279 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(232, 0, 11) }
```

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

```
.border{ border-color:rgb(232, 0, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 11);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 11)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.1800, 0.6363, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 11) }
```

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

```
.background{ background-color: rgb(232, 0,  
11) }
```

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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