

Converting Colors

$Y_{xy}(17.2052, 0.6337, 0.3265)$

Have a look what the booklet for
Yxy(17.2052, 0.6337, 0.3265)
contains.

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Color

Yxy(17.1963, 0.6338, 0.3265)

Conversions

Conversions Part 1

Format	Color
Hex	E80011
RGB	232, 0, 17
RGB Percent	91%, 0%, 7%
CMY	0.0902, 0.9999, 0.9333
CMYK	0.00, 1.00, 0.93, 0.09
HSL	356°, 100%, 45%
HSV	356°, 100%, 91%
XYZ	33.3814, 17.1963, 2.0909
YIQ	71.3060, 132.8150, 54.4710

Conversions

Conversions Part 2

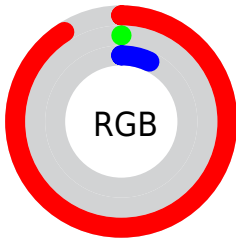
Format	Color
RYB	232, 0, 17
Decimal	15204369
CIELab	48.51, 74.73, 57.66
CIELCh	49, 94.385, 37.655
Yxy	17.1963, 0.6338, 0.3265
Android (android.graphics.Color)	4293394449 (0xFFE80011)
YUV	71.3060, -26.7729, 140.9286
Hunter-Lab	41.4684, 71.1197, 26.0383

Details

The Yxy color **17.1963, 0.6338, 0.3265** 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 **62.6221, 0.2311, 0.3519**, and the grayscale version is **6.3869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3076, 0.5499, 0.3500**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.1971, 0.6338, 0.3265**, and if you desaturate by 10%, it is **17.9212, 0.6126, 0.3234**.

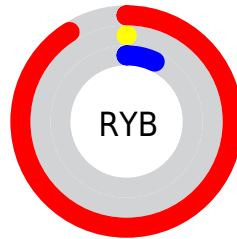
Distribution



Red (91%)

Green (0%)

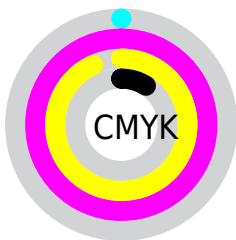
Blue (7%)



Red (91%)

Yellow (0%)

Blue (7%)

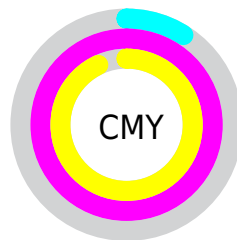


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1963, 0.6338, 0.3265 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 17.1963, 0.6338, 0.3265 by changing the saturation by 10% instead.


 17.1963, 0.6338,
0.3265


 17.1963, 0.6338,
0.3265

236.3011, 0.4618,
0.3532


 10.3745, 0.6727,
0.3091


 38.6630, 0.5729,
0.3444


 5.6480, 0.7183,
0.2817

 54.0767, 0.5491,
0.3485

 2.6322, 0.7632,
0.2368

 73.1232, 0.5288,
0.3510

 0.9429, 0.8255,
0.1745

 96.1868, 0.5114,
0.3525

 0.0000, 1.0000,
0.0000


 123.6521, 0.4964,
0.3532


 0.0000, 0.0000,
0.0000


 155.9032, 0.4833,

0.3535


 193.3248, 0.4719,
0.3534

 17.1963, 0.6338,
0.3265


 17.1963, 0.6338,
0.3265


 17.1971, 0.6338,
0.3265

 17.9212, 0.6126,
0.3234

 19.4695, 0.5777,
0.3205

 22.0907, 0.5336,
0.3190

 25.9325, 0.4873,
0.3189

 31.1193, 0.4440,
0.3199

■ 37.7603, 0.4064,
0.3215

■ 45.9533, 0.3750,
0.3233

■ 55.7880, 0.3495,
0.3253

■ 67.3468, 0.3291,
0.3272

Harmonies

Analogous

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



17.1963, 0.5632, 0.2482



17.1963, 0.6338, 0.3265



17.1963, 0.5777, 0.4223

Triad

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



17.1963, 0.6338, 0.3265



17.1963, 0.1865, 0.6078



17.1963, 0.1222, 0.1126

Complementary

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



17.1963, 0.6338, 0.3265



62.6221, 0.2311, 0.3519

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.



17.1963, 0.0803, 0.1279



17.1963, 0.6338, 0.3265



17.1963, 0.0999, 0.3598

Square

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



17.1963, 0.6338, 0.3265



17.1963, 0.3135, 0.6625



17.1963, 0.0717, 0.1929



17.1963, 0.2155, 0.1288

Rectangle

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



17.1963, 0.6338, 0.3265



17.1963, 0.4976, 0.5024



17.1963, 0.0717, 0.1929



17.1963, 0.1038, 0.1139

Sweetspot

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



17.1974, 0.6338, 0.3265



56.7654, 0.3755, 0.3233



19.9239, 0.2998, 0.1425



11.1803, 0.3880, 0.3225



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.



17.1974, 0.6338, 0.3265



21.3060, 0.6343, 0.3268



25.6463, 0.5673, 0.3877



14.3850, 0.3281, 0.3273



9.5535, 0.6319, 0.3255



0.7120, 0.6106, 0.3137

Inverse Universe

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



17.1974, 0.6338, 0.3265



21.3060, 0.6343, 0.3268



23.2499, 0.1845, 0.1843



14.3850, 0.3281, 0.3273



9.5535, 0.6319, 0.3255



0.7120, 0.6106, 0.3137

Previews

White Background



This preview shows how the Yxy color 17.1963, 0.6338, 0.3265 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 17.1963, 0.6338, 0.3265 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 17.1963, 0.6338, 0.3265

Background



This preview shows how black text looks on a background with the Yxy color 17.1963, 0.6338, 0.3265.



This preview shows how white text looks on a background with the Yxy color 17.1963, 0.6338, 0.3265.

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

17.1963, 0.6338, 0.3265

Protanopia

17.6878, 0.4212, 0.4635

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.3593, 0.6342, 0.3346

Trichromacy



Original Color

17.1963, 0.6338, 0.3265

Protanomaly

13.3161, 0.5388, 0.3810

Deuteranomaly

14.1033, 0.5677, 0.3835

Tritanomaly

17.2899, 0.6349, 0.3313

Monochromacy



Original Color

17.1963, 0.6338, 0.3265

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.8616, 0.4998, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1963, 0.6338, 0.3265 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, 17)` looks like.

```
.text, #text, p{  
  color:rgb(232, 0, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 17) }
```

Border

The CSS property to change the border of an element to Yxy 17.1963, 0.6338, 0.3265 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, 17) }
```

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

```
.border{ border-color:rgb(232, 0, 17) }
```

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, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 17)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.1963, 0.6338, 0.3265 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, 17) }
```

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

```
.background{ background-color: rgb(232, 0,  
17) }
```

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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