

Converting Colors

$Yxy(16.9752, 0.6050, 0.3106)$

Have a look what the booklet for
Yxy(16.9752, 0.6050, 0.3106)
contains.

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Color

Yxy(17.0620, 0.6046, 0.3104)

Conversions

Conversions Part 1

Format	Color
Hex	E60033
RGB	230, 0, 51
RGB Percent	90%, 0%, 20%
CMY	0.0980, 1.0000, 0.8000
CMYK	0.00, 1.00, 0.78, 0.10
HSL	347°, 100%, 45%
HSV	347°, 100%, 90%
XYZ	33.2335, 17.0620, 4.6723
YIQ	74.5840, 120.7090, 64.6210

Conversions

Conversions Part 2

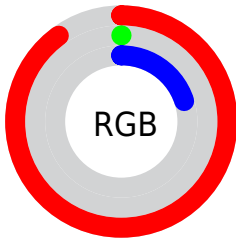
Format	Color
R_{YB}	230, 0, 51
Decimal	15073331
CIE Lab	48.34, 74.93, 40.91
CIE LCh	48, 85.369, 28.633
Yxy	17.0620, 0.6046, 0.3104
Android (android.graphics.Color)	4293263411 (0xFFE60033)
YUV	74.5840, -11.6269, 136.2998
Hunter-Lab	41.3062, 71.3291, 22.2079

Details

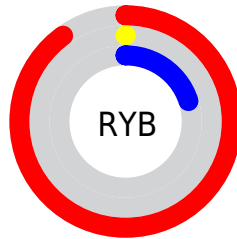
The Yxy color **17.0620, 0.6046, 0.3104** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **59.8560, 0.2452, 0.4028**, and the grayscale version is **6.9627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7961, 0.5145, 0.3243**, and **8.0169, 0.6342, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **17.0639, 0.6046, 0.3104**, and if you desaturate by 10%, it is **17.8662, 0.5751, 0.3021**.

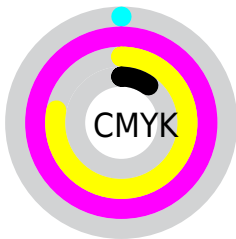
Distribution



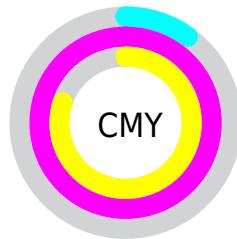
- Red (90%)
- Green (0%)
- Blue (20%)



- Red (90%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0620, 0.6046, 0.3104 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 17.0620, 0.6046, 0.3104 by changing the saturation by 10% instead.


 17.0620, 0.6046,
0.3104


 17.0620, 0.6046,
0.3104


235.5294, 0.4409,
0.3368

 10.2787, 0.6466,
0.2958


 38.4323, 0.5429,
0.3255


 5.5841, 0.6999,
0.2730

 53.7882, 0.5201,
0.3295


 2.5939, 0.7646,
0.2354

 72.7703, 0.5012,
0.3321

 0.9236, 0.8272,
0.1728

 95.7632, 0.4852,
0.3339

 0.0000, 1.0000,
0.0000

 123.1511, 0.4716,
0.3351

 0.0000, 0.0000,
0.0000

 155.3185, 0.4599,

0.3359

192.6498, 0.4498,
0.3365

■ 17.0620, 0.6046,
0.3104

■ 17.0620, 0.6046,
0.3104

■ 17.0639, 0.6046,
0.3104

■ 17.8662, 0.5751,
0.3021

■ 19.4639, 0.5380,
0.2964

■ 22.0954, 0.4975,
0.2947

■ 25.9001, 0.4578,
0.2963

■ 30.9961, 0.4218,
0.3003

■ 37.4866, 0.3908,
0.3056

■ 45.4644, 0.3649,
0.3116

■ 55.0144, 0.3438,
0.3176

■ 66.2150, 0.3266,
0.3235

Harmonies

Analogous

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



17.0620, 0.4972, 0.2339



17.0620, 0.6046, 0.3104



17.0620, 0.5874, 0.3957

Triad

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



17.0620, 0.6046, 0.3104



17.0620, 0.2357, 0.6191



17.0620, 0.1168, 0.1256

Complementary

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



17.0620, 0.6046, 0.3104



59.8560, 0.2452, 0.4028

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.



17.0620, 0.0864, 0.1534



17.0620, 0.6046, 0.3104



17.0620, 0.1344, 0.4264

Square

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



17.0620, 0.6046, 0.3104



17.0620, 0.3627, 0.6160



17.0620, 0.0888, 0.2403



17.0620, 0.1900, 0.1323

Rectangle

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



17.0620, 0.6046, 0.3104



17.0620, 0.5314, 0.4686



17.0620, 0.0888, 0.2403



17.0620, 0.1027, 0.1304

Sweetspot

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



17.0639, 0.6046, 0.3104



57.2610, 0.3653, 0.3115



14.9840, 0.2617, 0.1215



11.2937, 0.3757, 0.3089



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.



17.0639, 0.6046, 0.3104



21.5507, 0.6058, 0.3111



20.1985, 0.6063, 0.3568



14.4200, 0.3258, 0.3238



9.6745, 0.6009, 0.3084



0.7287, 0.5603, 0.2860

Inverse Universe

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



17.0639, 0.6046, 0.3104



21.5507, 0.6058, 0.3111



33.9692, 0.1996, 0.2387



14.4200, 0.3258, 0.3238



9.6745, 0.6009, 0.3084



0.7287, 0.5603, 0.2860

Previews

White Background



This preview shows how the Yxy color 17.0620, 0.6046, 0.3104 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 17.0620, 0.6046, 0.3104 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 17.0620, 0.6046, 0.3104

Background



This preview shows how black text looks on a background with the Yxy color 17.0620, 0.6046, 0.3104.



This preview shows how white text looks on a background with the Yxy color 17.0620, 0.6046, 0.3104.

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

17.0620, 0.6046, 0.3104

Protanopia

17.7083, 0.3730, 0.4042

Deuteranopia

17.6072, 0.4510, 0.4447



Tritanopia

17.2141, 0.6311, 0.3329

Trichromacy



Original Color

17.0620, 0.6046, 0.3104



Protanomaly

13.2074, 0.4817, 0.3383



Deuteranomaly

14.0137, 0.5398, 0.3639



Tritanomaly

17.0118, 0.6266, 0.3268

Monochromacy



Original Color

17.0620, 0.6046, 0.3104



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

7.3325, 0.4615, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0620, 0.6046, 0.3104 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(230, 0, 51)` looks like.

```
.text, #text, p{  
  color:rgb(230, 0, 51)  
}
```

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(230, 0, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 51) }
```

Border

The CSS property to change the border of an element to Yxy 17.0620, 0.6046, 0.3104 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(230, 0, 51) }
```

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

```
.border{ border-color:rgb(230, 0, 51) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(230, 0, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.0620, 0.6046, 0.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 51) }
```

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

```
.background{ background-color: rgb(230, 0,  
51) }
```

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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