

Converting Colors

$Y_{xy}(16.7359, 0.5922, 0.3050)$

Have a look what the booklet for
Yxy(16.7359, 0.5922, 0.3050)
contains.

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Color

Yxy(16.7552, 0.5920, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	E3053B
RGB	227, 5, 59
RGB Percent	89%, 2%, 23%
CMY	0.1098, 0.9801, 0.7686
CMYK	0.00, 0.98, 0.74, 0.11
HSL	345°, 96%, 46%
HSV	345°, 98%, 89%
XYZ	32.5216, 16.7552, 5.6583
YIQ	77.5340, 114.9780, 63.8580

Conversions

Conversions Part 2

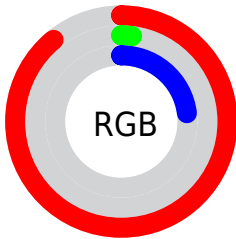
Format	Color
R_{YB}	227, 5, 59
Decimal	14878011
CIE Lab	47.95, 74.07, 35.62
CIE LCh	48, 82.190, 25.686
Yxy	16.7552, 0.5920, 0.3050
Android (android.graphics.Color)	4293068091 (0xFFE3053B)
YUV	77.5340, -9.1373, 131.0817
Hunter-Lab	40.9331, 70.1862, 20.4573

Details

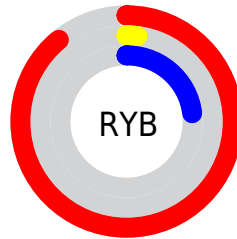
The Yxy color **16.7552, 0.5920, 0.3050** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **57.9885, 0.2471, 0.4084**, and the grayscale version is **7.5362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9549, 0.5043, 0.3169**, and **7.7251, 0.6252, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **16.6076, 0.5982, 0.3069**, and if you desaturate by 10%, it is **17.6746, 0.5604, 0.2966**.

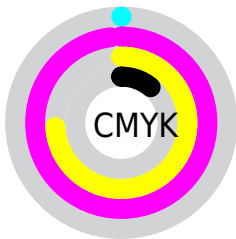
Distribution



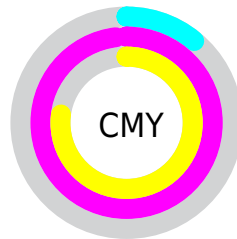
- Red (89%)
- Green (2%)
- Blue (23%)



- Red (89%)
- Yellow (2%)
- Blue (23%)



- Cyan (0%)
- Magenta (98%)
- Yellow (74%)
- Black (11%)





- Cyan (11%)
- Magenta (98%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7552, 0.5920, 0.3050 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 16.7552, 0.5920, 0.3050 by changing the saturation by 10% instead.


 16.7552, 0.5920,
0.3050


 16.7552, 0.5920,
0.3050


233.7577, 0.4334,
0.3320


 10.0601, 0.6344,
0.2912


 37.9044, 0.5312,
0.3197


 5.4388, 0.6877,
0.2688

 53.1273, 0.5091,
0.3236


 2.5070, 0.7646,
0.2354

 71.9616, 0.4909,
0.3264

 0.8801, 0.8280,
0.1720

 94.7917, 0.4756,
0.3283

 0.0000, 1.0000,
0.0000

 122.0019, 0.4626,
0.3297

 0.0000, 0.0000,
0.0000

 153.9767, 0.4515,

0.3307

191.1005, 0.4418,
0.3314

■ 16.7552, 0.5920,
0.3050

■ 16.7552, 0.5920,
0.3050

■ 16.6076, 0.5982,
0.3069

■ 17.6746, 0.5604,
0.2966

■ 19.4492, 0.5227,
0.2919

■ 22.2563, 0.4830,
0.2912

■ 26.2248, 0.4451,
0.2938

■ 31.4647, 0.4113,
0.2987

■ 38.0732, 0.3825,
0.3048

■ 46.1380, 0.3585,
0.3114

■ 55.7394, 0.3389,
0.3180

■ 66.9517, 0.3230,
0.3244

Harmonies

Analogous

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



16.7552, 0.4762, 0.2295



16.7552, 0.5920, 0.3050



16.7552, 0.5879, 0.3881

Triad

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



16.7552, 0.5920, 0.3050



16.7552, 0.2513, 0.6176



16.7552, 0.1160, 0.1306

Complementary

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



16.7552, 0.5920, 0.3050



57.9885, 0.2471, 0.4084

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.



16.7552, 0.0891, 0.1629



16.7552, 0.5920, 0.3050



16.7552, 0.1469, 0.4453

Square

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



16.7552, 0.5920, 0.3050



16.7552, 0.3773, 0.6012



16.7552, 0.0955, 0.2568



16.7552, 0.1836, 0.1341

Rectangle

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



16.7552, 0.5920, 0.3050



16.7552, 0.5374, 0.4568



16.7552, 0.0955, 0.2568



16.7552, 0.1032, 0.1367

Sweetspot

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



16.7563, 0.5920, 0.3050



58.4526, 0.3616, 0.3105



14.3720, 0.2590, 0.1208



11.5210, 0.3716, 0.3076



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.



16.7563, 0.5920, 0.3050



21.6074, 0.5997, 0.3077



19.6317, 0.6046, 0.3559



14.4251, 0.3254, 0.3233



9.7014, 0.5946, 0.3049



0.7313, 0.5534, 0.2822

Inverse Universe

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



16.7563, 0.5920, 0.3050



21.6074, 0.5997, 0.3077



34.8998, 0.2022, 0.2468



14.4251, 0.3254, 0.3233



9.7014, 0.5946, 0.3049



0.7313, 0.5534, 0.2822

Previews

White Background



This preview shows how the Yxy color 16.7552, 0.5920, 0.3050 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 16.7552, 0.5920, 0.3050 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 16.7552, 0.5920, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 16.7552, 0.5920, 0.3050.



This preview shows how white text looks on a background with the Yxy color 16.7552, 0.5920, 0.3050.

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

16.7552, 0.5920, 0.3050

Protanopia

17.1937, 0.3561, 0.3802

Deuteranopia

17.1967, 0.4387, 0.4331



Tritanopia

16.9045, 0.6258, 0.3325

Trichromacy



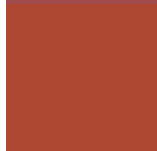
Original Color

16.7552, 0.5920, 0.3050



Protanomaly

13.1593, 0.4588, 0.3248



Deuteranomaly

13.8724, 0.5226, 0.3559



Tritanomaly

16.7056, 0.6188, 0.3246

Monochromacy



Original Color

16.7552, 0.5920, 0.3050



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.7281, 0.4485, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7552, 0.5920, 0.3050 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(227, 5, 59)` looks like.

```
.text, #text, p{  
    color:rgb(227, 5, 59)  
}
```

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(227, 5, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 5, 59) }
```

Border

The CSS property to change the border of an element to Yxy 16.7552, 0.5920, 0.3050 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(227, 5, 59) }
```

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

```
.border{ border-color:rgb(227, 5, 59) }
```

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

Here you see how a box with a 4 pixel rgb(227, 5, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 5, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 5, 59);  
box-shadow:4px 4px 4px 4px rgb(227, 5, 59)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7552, 0.5920, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 5, 59) }
```

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

```
.background{ background-color: rgb(227, 5,  
59) }
```

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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