

Converting Colors

$Y_{xy}(16.8359, 0.5352, 0.3249)$

Have a look what the booklet for
Yxy(16.8359, 0.5352, 0.3249)
contains.

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Color

Yxy(16.8097, 0.5353, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	CC3F44
RGB	204, 63, 68
RGB Percent	80%, 25%, 27%
CMY	0.2000, 0.7529, 0.7333
CMYK	0.00, 0.69, 0.67, 0.20
HSL	358°, 58%, 52%
HSV	358°, 69%, 80%
XYZ	27.7210, 16.8097, 7.2552
YIQ	105.7290, 82.4310, 31.4470

Conversions

Conversions Part 2

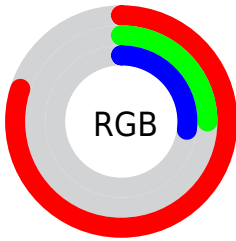
Format	Color
RYB	204, 63, 68
Decimal	13385540
CIELab	48.02, 55.64, 29.30
CIElCh	48, 62.880, 27.769
Yxy	16.8097, 0.5353, 0.3246
Android (android.graphics.Color)	4291575620 (0xFFCC3F44)
YUV	105.7290, -18.6004, 86.1837
Hunter-Lab	40.9996, 48.9394, 18.2079

Details

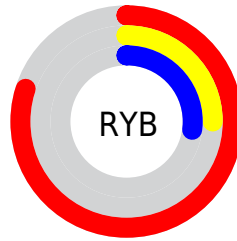
The Yxy color **16.8097, 0.5353, 0.3246** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **48.3610, 0.2360, 0.3361**, and the grayscale version is **14.3728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7146, 0.4746, 0.3324**, and **5.9098, 0.6097, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **14.7524, 0.5799, 0.3254**, and if you desaturate by 10%, it is **19.7862, 0.4883, 0.3245**.

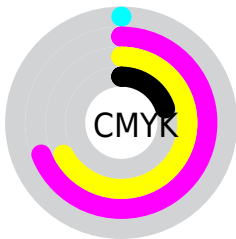
Distribution



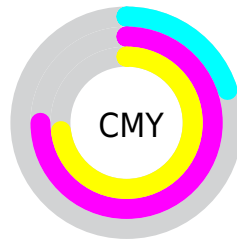
- Red (80%)
- Green (25%)
- Blue (27%)



- Red (80%)
- Yellow (25%)
- Blue (27%)



- Cyan (0%)
- Magenta (69%)
- Yellow (67%)
- Black (20%)




- Cyan (20%)
- Magenta (75%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8097, 0.5353, 0.3246 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 16.8097, 0.5353, 0.3246 by changing the saturation by 10% instead.


 16.8097, 0.5353,
0.3246


 16.8097, 0.5353,
0.3246


234.0733, 0.4065,
0.3359


 10.0989, 0.5723,
0.3166

 37.9983, 0.4845,
0.3320


 5.4646, 0.6215,
0.3023


 53.2449, 0.4665,
0.3337


 2.5223, 0.7040,
0.2822

 72.1055, 0.4519,
0.3347

 0.8878, 0.7755,
0.2245

 94.9646, 0.4397,
0.3353

 0.0000, 1.0000,
0.0000

 122.2065, 0.4294,
0.3357

 0.0000, 0.0000,
0.0000

154.2157, 0.4206,

0.3359

191.3765, 0.4131,
0.3359

■ 16.8097, 0.5353,
0.3246

■ 16.8097, 0.5353,
0.3246

■ 14.7524, 0.5799,
0.3254

■ 19.7862, 0.4883,
0.3245

■ 13.5052, 0.6149,
0.3268

■ 23.7692, 0.4443,
0.3249

■ 12.8951, 0.6354,
0.3282

■ 28.8391, 0.4061,
0.3256

■ 12.8516, 0.6368,
0.3281

■ 35.0673, 0.3743,
0.3265

■ 42.5193, 0.3486,
0.3274

■ 51.2554, 0.3279,
0.3282

■ 61.3324, 0.3114,
0.3291

■ 72.8032, 0.2981,
0.3298

■ 85.7181, 0.2874,
0.3305

Harmonies

Analogous

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



16.8097, 0.4485, 0.2550



16.8097, 0.5353, 0.3246



16.8097, 0.5380, 0.4012

Triad

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



16.8097, 0.5353, 0.3246



16.8097, 0.2677, 0.5355



16.8097, 0.1509, 0.1631

Complementary

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



16.8097, 0.5353, 0.3246



48.3610, 0.2360, 0.3361

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.



16.8097, 0.1242, 0.1928



16.8097, 0.5353, 0.3246



16.8097, 0.1783, 0.4072

Square

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



16.8097, 0.5353, 0.3246



16.8097, 0.3747, 0.5520



16.8097, 0.1311, 0.2710



16.8097, 0.2147, 0.1669

Rectangle

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



16.8097, 0.5353, 0.3246



16.8097, 0.5000, 0.4567



16.8097, 0.1311, 0.2710



16.8097, 0.1382, 0.1687

Sweetspot

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



16.8107, 0.5353, 0.3246



67.5718, 0.3537, 0.3272



19.7787, 0.3116, 0.1727



13.7065, 0.3607, 0.3269



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.



16.8107, 0.5353, 0.3246



23.2510, 0.5989, 0.3260



28.2336, 0.4763, 0.4036



11.2200, 0.3285, 0.3282



8.0929, 0.6358, 0.3276



0.4198, 0.6216, 0.3198

Inverse Universe

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



16.8107, 0.5353, 0.3246



23.2510, 0.5989, 0.3260



24.3348, 0.2087, 0.2266



11.2200, 0.3285, 0.3282



8.0929, 0.6358, 0.3276



0.4198, 0.6216, 0.3198

Previews

White Background



This preview shows how the Yxy color 16.8097, 0.5353, 0.3246 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 16.8097, 0.5353, 0.3246 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 16.8097, 0.5353, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 16.8097, 0.5353, 0.3246.



This preview shows how white text looks on a background with the Yxy color 16.8097, 0.5353, 0.3246.

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

16.8097, 0.5353, 0.3246

Protanopia

16.8768, 0.3565, 0.3806

Deuteranopia

16.9262, 0.4230, 0.4146



Tritanopia

16.7857, 0.5383, 0.3267

Trichromacy



Original Color

16.8097, 0.5353, 0.3246

Protanomaly

15.4539, 0.4233, 0.3531

Deuteranomaly

15.9057, 0.4697, 0.3729

Tritanomaly

16.7976, 0.5369, 0.3256

Monochromacy



Original Color

16.8097, 0.5353, 0.3246

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.8358, 0.3940, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8097, 0.5353, 0.3246 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(204, 63, 68)` looks like.

```
.text, #text, p{  
  color:rgb(204, 63, 68)  
}
```

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(204, 63, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 63, 68) }
```

Border

The CSS property to change the border of an element to Yxy 16.8097, 0.5353, 0.3246 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(204, 63, 68) }
```

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

```
.border{ border-color:rgb(204, 63, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 63, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 63, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 63, 68);  
box-shadow:4px 4px 4px 4px rgb(204, 63,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8097, 0.5353, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 63, 68) }
```

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

```
.background{ background-color: rgb(204, 63,  
68) }
```

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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