

Converting Colors

$Y_{xy}(18.4766, 0.5076, 0.3358)$

Have a look what the booklet for
Yxy(18.4766, 0.5076, 0.3358)
contains.

Yxy(18.5111, 0.5076, 0.3365)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.5111, 0.5076, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	C8504A
RGB	200, 80, 74
RGB Percent	78%, 31%, 29%
CMY	0.2157, 0.6862, 0.7099
CMYK	0.00, 0.60, 0.63, 0.22
HSL	3°, 53%, 54%
HSV	3°, 63%, 78%
XYZ	27.9234, 18.5111, 8.5762
YIQ	115.1960, 73.4460, 23.5740

Conversions

Conversions Part 2

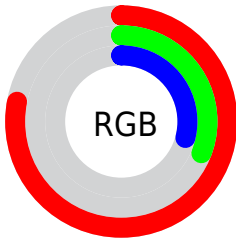
Format	Color
R_{YB}	200, 80, 74
Decimal	13127754
CIE _{Lab}	50.11, 47.43, 28.25
CIE _{LCh}	50, 55.207, 30.779
Yxy	18.5111, 0.5076, 0.3365
Android (android.graphics.Color)	4291317834 (0xFFC8504A)
YUV	115.1960, -20.3096, 74.3731
Hunter-Lab	43.0245, 40.5557, 18.2988

Details

The Yxy color **18.5111, 0.5076, 0.3365** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **44.1949, 0.2354, 0.3198**, and the grayscale version is **17.2538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7403, 0.4572, 0.3406**, and **6.2820, 0.5829, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **15.8793, 0.5540, 0.3364**, and if you desaturate by 10%, it is **22.0207, 0.4622, 0.3359**.

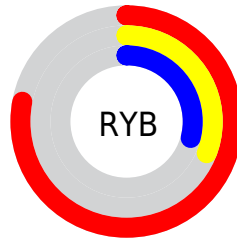
Distribution



Red (78%)

Green (31%)

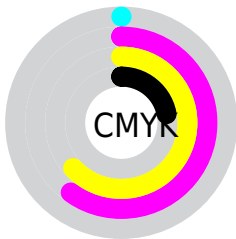
Blue (29%)



Red (78%)

Yellow (31%)

Blue (29%)

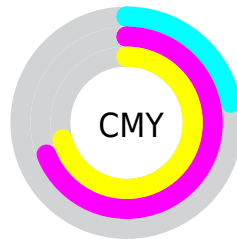


Cyan (0%)

Magenta (60%)

Yellow (63%)

Black (22%)



Cyan (22%)


Magenta (69%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5111, 0.5076, 0.3365 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 18.5111, 0.5076, 0.3365 by changing the saturation by 10% instead.


 18.5111, 0.5076,
0.3365


 18.5111, 0.5076,
0.3365


243.7363, 0.3957,
0.3394


 11.3175, 0.5399,
0.3319


 40.9063, 0.4635,
0.3400

 6.2808, 0.5831,
0.3228


 56.8768, 0.4480,
0.3405

 3.0166, 0.6476,
0.3068

 76.5417, 0.4352,
0.3406

 1.1404, 0.7319,
0.2681

 100.2854, 0.4246,
0.3405

 0.0122, 0.9900,
0.0100

 128.4923, 0.4157,
0.3403

 0.0000, 1.0000,
0.0000

161.5468, 0.4080,

 0.0000, 0.0000,

0.3400

0.0000

199.8334, 0.4014,
0.3397

■ 18.5111, 0.5076,
0.3365

■ 18.5111, 0.5076,
0.3365

■ 15.8793, 0.5540,
0.3364

■ 22.0207, 0.4622,
0.3359

■ 14.0451, 0.5952,
0.3353

■ 26.4731, 0.4216,
0.3347

■ 12.9189, 0.6245,
0.3334

■ 31.9306, 0.3872,
0.3334

■ 12.4870, 0.6369,
0.3325

■ 38.4495, 0.3589,
0.3320

■ 46.0818, 0.3360,
0.3306

■ 54.8760, 0.3175,
0.3294

■ 64.8779, 0.3026,
0.3282

■ 76.1308, 0.2906,
0.3271

■ 88.6757, 0.2808,
0.3262

Harmonies

Analogous

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



18.5111, 0.4388, 0.2714



18.5111, 0.5076, 0.3365



18.5111, 0.5075, 0.4072

Triad

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



18.5111, 0.5076, 0.3365



18.5111, 0.2686, 0.4926



18.5111, 0.1736, 0.1812

Complementary

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



18.5111, 0.5076, 0.3365



44.1949, 0.2354, 0.3198

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.



18.5111, 0.1457, 0.2066



18.5111, 0.5076, 0.3365



18.5111, 0.1910, 0.3833

Square

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



18.5111, 0.5076, 0.3365



18.5111, 0.3635, 0.5231



18.5111, 0.1501, 0.2728



18.5111, 0.2357, 0.1868

Rectangle

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



18.5111, 0.5076, 0.3365



18.5111, 0.4743, 0.4553



18.5111, 0.1501, 0.2728



18.5111, 0.1607, 0.1858

Sweetspot

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



18.5121, 0.5076, 0.3365



71.2794, 0.3498, 0.3315



21.1504, 0.3243, 0.1895



14.4693, 0.3568, 0.3319



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.



18.5121, 0.5076, 0.3365



26.0388, 0.5719, 0.3361



31.8792, 0.4478, 0.4125



10.7170, 0.3288, 0.3302



7.9772, 0.6361, 0.3332



0.4068, 0.6223, 0.3441

Inverse Universe

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



44.1949, 0.2354, 0.3198



73.9639, 0.2269, 0.3175



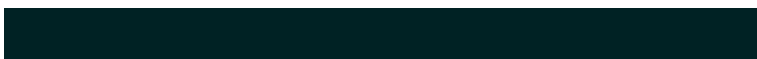
22.3424, 0.2123, 0.2195



11.9772, 0.2984, 0.3278



26.2245, 0.2206, 0.3142



1.2691, 0.2215, 0.3174

Previews

White Background



This preview shows how the Yxy color 18.5111, 0.5076, 0.3365 looks on a white 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

Black Background



This preview shows how the Yxy color 18.5111, 0.5076, 0.3365 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.5111, 0.5076, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 18.5111, 0.5076, 0.3365.



This preview shows how white text looks on a background with the Yxy color 18.5111, 0.5076, 0.3365.

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

18.5111, 0.5076, 0.3365

Protanopia

18.7603, 0.3594, 0.3860

Deuteranopia

18.5630, 0.4154, 0.4077



Tritanopia

18.5114, 0.4933, 0.3236

Trichromacy



Original Color

18.5111, 0.5076, 0.3365

Protanomaly

17.6133, 0.4134, 0.3645

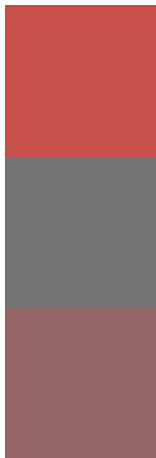
Deuteranomaly

18.0519, 0.4518, 0.3778

Tritanomaly

18.4505, 0.4995, 0.3284

Monochromacy



Original Color

18.5111, 0.5076, 0.3365

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.5338, 0.3805, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5111, 0.5076, 0.3365 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(200, 80, 74)` looks like.

```
.text, #text, p{  
  color:rgb(200, 80, 74)  
}
```

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(200, 80, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 80, 74) }
```

Border

The CSS property to change the border of an element to Yxy 18.5111, 0.5076, 0.3365 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(200, 80, 74) }
```

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

```
.border{ border-color:rgb(200, 80, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 80, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 80, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 80, 74);  
box-shadow:4px 4px 4px 4px rgb(200, 80,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5111, 0.5076, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 80, 74) }
```

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

```
.background{ background-color: rgb(200, 80,  
74) }
```

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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