

Converting Colors

$Y_{xy}(17.5987, 0.4398, 0.3156)$

Have a look what the booklet for
Yxy(17.5987, 0.4398, 0.3156)
contains.

Yxy(17.5646, 0.4399, 0.3151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.5646, 0.4399, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	B45862
RGB	180, 88, 98
RGB Percent	71%, 35%, 38%
CMY	0.2940, 0.6550, 0.6156
CMYK	0.00, 0.51, 0.46, 0.29
HSL	353°, 38%, 53%
HSV	353°, 51%, 71%
XYZ	24.5213, 17.5646, 13.6570
YIQ	116.6480, 51.6220, 22.6140

Conversions

Conversions Part 2

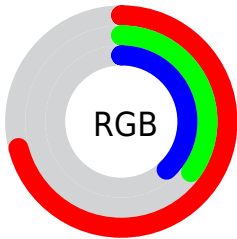
Format	Color
R_{YB}	180, 88, 98
Decimal	11819106
CIE Lab	48.96, 38.29, 11.89
CIE LCh	49, 40.090, 17.256
Yxy	17.5646, 0.4399, 0.3151
Android (android.graphics.Color)	4290009186 (0xFFB45862)
YUV	116.6480, -9.1935, 55.5597
Hunter-Lab	41.9101, 31.0963, 10.0166

Details

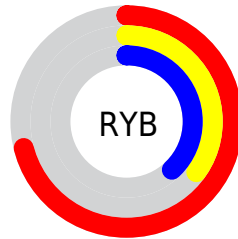
The Yxy color **17.5646, 0.4399, 0.3151** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **37.6279, 0.2531, 0.3450**, and the grayscale version is **17.6916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2768, 0.4096, 0.3192**, and **5.7820, 0.4948, 0.3027** is the 20% darker color. If you saturate the color by 10%, you get **14.6933, 0.4810, 0.3136**, and if you desaturate by 10%, it is **21.2281, 0.4042, 0.3175**.

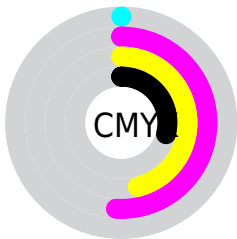
Distribution



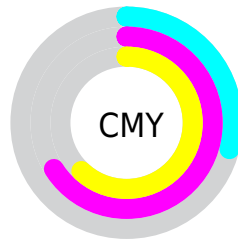
- Red (71%)
- Green (35%)
- Blue (38%)



- Red (71%)
- Yellow (35%)
- Blue (38%)



- Cyan (0%)
- Magenta (51%)
- Yellow (46%)
- Black (29%)





- Cyan (29%)
- Magenta (66%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5646, 0.4399, 0.3151 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 17.5646, 0.4399, 0.3151 by changing the saturation by 10% instead.


 17.5646, 0.4399,
0.3151


 17.5646, 0.4399,
0.3151


238.4053, 0.3656,
0.3254


 10.6379, 0.4629,
0.3108


 39.2940, 0.4098,
0.3200


 5.8239, 0.4957,
0.3037

 54.8654, 0.3995,
0.3214

 2.7383, 0.5453,
0.2909

 74.0872, 0.3911,
0.3225

 0.9967, 0.6546,
0.2763

 97.3438, 0.3842,
0.3234

 0.0000, 1.0000,
0.0000

125.0195, 0.3784,
0.3240

 0.0000, 0.0000,
0.0000

157.4987, 0.3735,

0.3246

195.1658, 0.3693,
0.3250

■ 17.5646, 0.4399,
0.3151

■ 17.5646, 0.4399,
0.3151

■ 14.6933, 0.4810,
0.3136

■ 21.2281, 0.4042,
0.3175

■ 12.5530, 0.5253,
0.3135

■ 25.7336, 0.3743,
0.3203

■ 11.0784, 0.5683,
0.3152

■ 31.1298, 0.3499,
0.3232

■ 10.1906, 0.6042,
0.3190

■ 37.4613, 0.3302,
0.3261

■ 9.7552, 0.6268,
0.3227

■ 44.7694, 0.3143,
0.3287

■ 53.0930, 0.3015,
0.3312

■ 62.4689, 0.2911,
0.3334

■ 72.9320, 0.2827,
0.3354

■ 84.5158, 0.2757,
0.3373

Harmonies

Analogous

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



17.5646, 0.3727, 0.2649



17.5646, 0.4399, 0.3151



17.5646, 0.4664, 0.3715

Triad

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



17.5646, 0.4399, 0.3151



17.5646, 0.3163, 0.4644



17.5646, 0.1903, 0.2204

Complementary

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



17.5646, 0.4399, 0.3151



37.6279, 0.2531, 0.3450

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.



17.5646, 0.1797, 0.2569



17.5646, 0.4399, 0.3151



17.5646, 0.2465, 0.4072

Square

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



17.5646, 0.4399, 0.3151



17.5646, 0.3890, 0.4662



17.5646, 0.1982, 0.3241



17.5646, 0.2287, 0.2124

Rectangle

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



17.5646, 0.4399, 0.3151



17.5646, 0.4570, 0.4091



17.5646, 0.1982, 0.3241



17.5646, 0.1836, 0.2292

Sweetspot

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



17.5655, 0.4399, 0.3151



62.9534, 0.3378, 0.3249



18.7402, 0.3053, 0.2032



13.0935, 0.3419, 0.3243



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.5655, 0.4399, 0.3151



26.2245, 0.4850, 0.3135



24.6428, 0.4271, 0.3799



8.5198, 0.3270, 0.3265



6.8118, 0.6249, 0.3216



0.2192, 0.5735, 0.2933

Inverse Universe

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



17.5655, 0.4399, 0.3151



26.2245, 0.4850, 0.3135



25.5425, 0.2357, 0.2693



8.5198, 0.3270, 0.3265



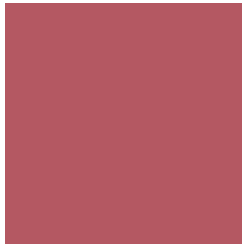
6.8118, 0.6249, 0.3216



0.2192, 0.5735, 0.2933

Previews

White Background



This preview shows how the Yxy color 17.5646, 0.4399, 0.3151 looks on a white background.

Color Contrast Check

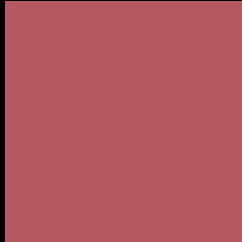
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5646, 0.4399, 0.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

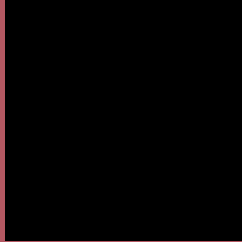
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5646, 0.4399, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 17.5646, 0.4399, 0.3151.

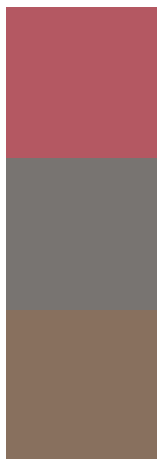


This preview shows how white text looks on a background with the Yxy color 17.5646, 0.4399, 0.3151.

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

17.5646, 0.4399, 0.3151

Protanopia

17.6761, 0.3215, 0.3349

Deuteranopia

17.6307, 0.3694, 0.3624



Tritanopia

17.6743, 0.4441, 0.3209

Trichromacy



Original Color

17.5646, 0.4399, 0.3151

Protanomaly

17.1416, 0.3612, 0.3256

Deuteranomaly

17.2021, 0.3960, 0.3429

Tritanomaly

17.6926, 0.4424, 0.3194

Monochromacy



Original Color

17.5646, 0.4399, 0.3151

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.0093, 0.3555, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5646, 0.4399, 0.3151 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(180, 88, 98)` looks like.

```
.text, #text, p{  
    color:rgb(180, 88, 98)  
}
```

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(180, 88, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 88, 98) }
```

Border

The CSS property to change the border of an element to Yxy 17.5646, 0.4399, 0.3151 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(180, 88, 98) }
```

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

```
.border{ border-color:rgb(180, 88, 98) }
```

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

Here you see how a box with a 4 pixel rgb(180, 88, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 88, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 88, 98);  
box-shadow:4px 4px 4px 4px rgb(180, 88,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5646, 0.4399, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 88, 98) }
```

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

```
.background{ background-color: rgb(180, 88,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor