

Converting Colors

$Y_{xy}(18.5081, 0.2846, 0.3615)$

Have a look what the booklet for
Yxy(18.5081, 0.2846, 0.3615)
contains.

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Color

$\text{Yxy}(18.4233, 0.2846, 0.3607)$

Conversions

Conversions Part 1

Format	Color
Hex	587F70
RGB	88, 127, 112
RGB Percent	35%, 50%, 44%
CMY	0.6550, 0.5019, 0.5608
CMYK	0.31, 0.00, 0.12, 0.50
HSL	157°, 18%, 42%
HSV	157°, 31%, 50%
XYZ	14.5364, 18.4233, 18.1168
YIQ	113.6290, -18.4290, -12.9330

Conversions

Conversions Part 2

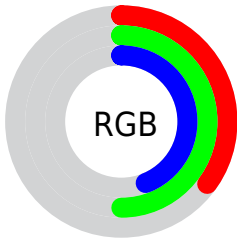
Format	Color
R_{YB}	88, 112, 127
Decimal	5799792
CIE _{Lab}	50.01, -17.12, 3.80
CIE _{LCh}	50, 17.535, 167.485
Yxy	18.4233, 0.2846, 0.3607
Android (android.graphics.Color)	4283989872 (0xFF587F70)
YUV	113.6290, -0.8031, -22.4766
Hunter-Lab	42.9224, -14.6621, 5.0203

Details

The Yxy color **18.4233, 0.2846, 0.3607** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.4672, 0.3529, 0.2996**, and the grayscale version is **16.7157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8118, 0.2910, 0.3527**, and **6.2701, 0.2723, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **17.7516, 0.2768, 0.3730**, and if you desaturate by 10%, it is **19.2104, 0.2933, 0.3494**.

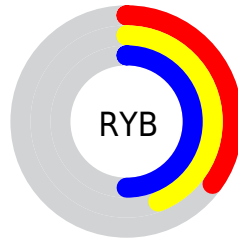
Distribution



Red (35%)

Green (50%)

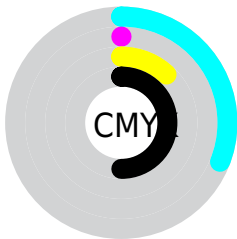
Blue (44%)



Red (35%)

Yellow (44%)

Blue (50%)

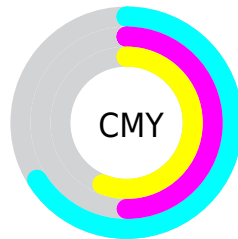


Cyan (31%)

Magenta (0%)

Yellow (12%)

Black (50%)



Cyan (66%)


Magenta (50%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4233, 0.2846, 0.3607 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 18.4233, 0.2846, 0.3607 by changing the saturation by 10% instead.


 18.4233, 0.2846,
0.3607


 18.4233, 0.2846,
0.3607


243.2463, 0.3010,
0.3421


 11.2543, 0.2795,
0.3666


 40.7573, 0.2912,
0.3531


 6.2382, 0.2721,
0.3753


 56.6911, 0.2935,
0.3505


 2.9904, 0.2604,
0.3891

 76.3153, 0.2953,
0.3484

 1.1267, 0.2350,
0.4170

 100.0144, 0.2969,
0.3467

 0.0006, 0.0000,
1.0000

 128.1726, 0.2981,
0.3453

 0.0000, 0.0000,
0.0000

161.1744, 0.2992,

0.3441

199.4041, 0.3001,
0.3430

■ 18.4233, 0.2846,
0.3607

■ 18.4233, 0.2846,
0.3607

■ 17.7516, 0.2768,
0.3730

■ 19.2104, 0.2933,
0.3494

■ 17.1873, 0.2700,
0.3860

■ 20.1159, 0.3025,
0.3390

■ 16.7251, 0.2647,
0.3998

■ 21.1456, 0.3120,
0.3296

■ 16.3579, 0.2610,
0.4140

■ 22.3041, 0.3217,
0.3212

■ 16.0782, 0.2590,
0.4284

■ 23.5958, 0.3313,
0.3138

■ 15.8769, 0.2590,
0.4428

■ 25.0249, 0.3408,
0.3071

■ 15.7330, 0.2600,
0.4560

■ 26.5954, 0.3500,
0.3013

■ 28.3112, 0.3590,
0.2962

■ 30.1760, 0.3675,
0.2917

Harmonies

Analogous

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



18.4233, 0.3168, 0.3832



18.4233, 0.2846, 0.3607



18.4233, 0.2607, 0.3290

Triad

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



18.4233, 0.2846, 0.3607



18.4233, 0.2754, 0.2742



18.4233, 0.3792, 0.3530

Complementary

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



18.4233, 0.2846, 0.3607



12.4672, 0.3529, 0.2996

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.



18.4233, 0.3672, 0.3255



18.4233, 0.2846, 0.3607



18.4233, 0.3058, 0.2816

Square

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



18.4233, 0.2846, 0.3607



18.4233, 0.2557, 0.2801



18.4233, 0.3397, 0.2999



18.4233, 0.3723, 0.3764

Rectangle

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



18.4233, 0.2846, 0.3607



18.4233, 0.2522, 0.3084



18.4233, 0.3397, 0.2999



18.4233, 0.3773, 0.3440

Sweetspot

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



18.4241, 0.2846, 0.3607



36.2834, 0.3039, 0.3375



18.8035, 0.3272, 0.4098



8.4435, 0.3027, 0.3388



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.4241, 0.2846, 0.3607



32.1078, 0.2789, 0.3694



17.7980, 0.2695, 0.3208



4.8597, 0.3040, 0.3374



15.8648, 0.2600, 0.4560



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4672, 0.3529, 0.2996



19.6248, 0.3660, 0.2924



12.8502, 0.3758, 0.3370



4.3695, 0.3223, 0.3207



4.7727, 0.5364, 0.2728



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.4233, 0.2846, 0.3607 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 18.4233, 0.2846, 0.3607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

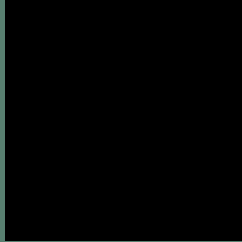
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4233, 0.2846, 0.3607

Background



This preview shows how black text looks on a background with the Yxy color 18.4233, 0.2846, 0.3607.

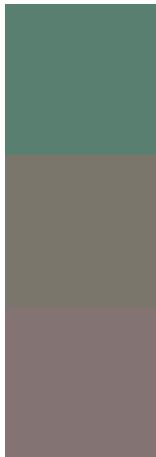


This preview shows how white text looks on a background with the Yxy color 18.4233, 0.2846, 0.3607.

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

18.4233, 0.2846, 0.3607

Protanopia

18.2294, 0.3324, 0.3502

Deuteranopia

18.3246, 0.3337, 0.3291



Tritanopia

18.4637, 0.2681, 0.3090

Trichromacy



Original Color

18.4233, 0.2846, 0.3607

Protanomaly

18.0939, 0.3128, 0.3531

Deuteranomaly

18.0534, 0.3135, 0.3388

Tritanomaly

18.3977, 0.2738, 0.3268

Monochromacy



Original Color

18.4233, 0.2846, 0.3607

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3892, 0.3023, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4233, 0.2846, 0.3607 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(88, 127, 112)` looks like.

```
.text, #text, p{  
    color:rgb(88, 127, 112)  
}
```

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(88, 127, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 127, 112) }
```

Border

The CSS property to change the border of an element to Yxy 18.4233, 0.2846, 0.3607 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(88, 127, 112) }
```

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

```
.border{ border-color:rgb(88, 127, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 127, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 127, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 127, 112);  
box-shadow:4px 4px 4px 4px rgb(88, 127,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4233, 0.2846, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 127, 112) }
```

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

```
.background{ background-color: rgb(88, 127,  
112) }
```

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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