

Converting Colors

$Yxy(18.4807, 0.2680, 0.3547)$

Have a look what the booklet for
Yxy(18.4807, 0.2680, 0.3547)
contains.

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Color

Yxy(18.4807, 0.2680, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	4B8175
RGB	75, 129, 117
RGB Percent	29%, 51%, 46%
CMY	0.7058, 0.4941, 0.5412
CMYK	0.42, 0.00, 0.09, 0.49
HSL	167°, 26%, 40%
HSV	167°, 42%, 51%
XYZ	13.9634, 18.4807, 19.6582
YIQ	111.4860, -28.3320, -15.1800

Conversions

Conversions Part 2

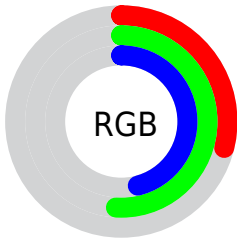
Format	Color
RYB	75, 105, 129
Decimal	4948341
CIELab	50.07, -20.97, 0.88
CIElCh	50, 20.992, 177.590
Yxy	18.4807, 0.2680, 0.3547
Android (android.graphics.Color)	4283138421 (0xFF4B8175)
YUV	111.4860, 2.7184, -31.9982
Hunter-Lab	42.9892, -17.2520, 2.9801

Details

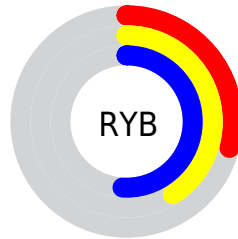
The Yxy color **18.4807, 0.2680, 0.3547** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.3906, 0.3908, 0.3055**, and the grayscale version is **16.0446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8325, 0.2786, 0.3485**, and **6.2158, 0.2488, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **17.9463, 0.2600, 0.3620**, and if you desaturate by 10%, it is **19.1241, 0.2773, 0.3478**.

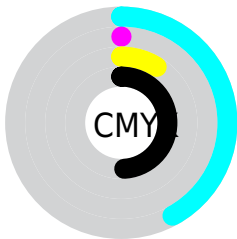
Distribution



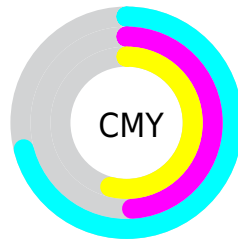
- Red (29%)
- Green (51%)
- Blue (46%)



- Red (29%)
- Yellow (41%)
- Blue (51%)



- Cyan (42%)
- Magenta (0%)
- Yellow (9%)
- Black (49%)





- Cyan (71%)
- Magenta (49%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4807, 0.2680, 0.3547 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 18.4807, 0.2680, 0.3547 by changing the saturation by 10% instead.


 18.4807, 0.2680,
0.3547


 18.4807, 0.2680,
0.3547


243.5667, 0.2937,
0.3399


 11.2957, 0.2601,
0.3593


 40.8547, 0.2783,
0.3487


 6.2661, 0.2488,
0.3659


 56.8125, 0.2819,
0.3466


 3.0075, 0.2315,
0.3761

 76.4633, 0.2848,
0.3450

 1.1357, 0.1924,
0.3986

 100.1916, 0.2872,
0.3436

 0.0082, 0.0000,
1.0000

 128.3816, 0.2892,
0.3424

 0.0000, 0.0000,
0.0000

161.4179, 0.2910,

0.3414

199.6848, 0.2924,
0.3406

■ 18.4807, 0.2680,
0.3547

■ 18.4807, 0.2680,
0.3547

■ 17.9463, 0.2600,
0.3620

■ 19.1241, 0.2773,
0.3478

■ 17.5123, 0.2535,
0.3696

■ 19.8803, 0.2877,
0.3413

■ 17.1724, 0.2487,
0.3774

■ 20.7553, 0.2988,
0.3354

■ 16.9183, 0.2457,
0.3853

■ 21.7544, 0.3105,
0.3299

■ 16.7407, 0.2446,
0.3932

■ 22.8824, 0.3225,
0.3250

 16.6266, 0.2444,
0.3997

 24.1437, 0.3346,
0.3206

 25.5427, 0.3466,
0.3167

 27.0836, 0.3584,
0.3133

 28.7702, 0.3700,
0.3102

Harmonies

Analogous

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



18.4807, 0.3037, 0.3875



18.4807, 0.2680, 0.3547



18.4807, 0.2450, 0.3156

Triad

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



18.4807, 0.2680, 0.3547



18.4807, 0.2792, 0.2656



18.4807, 0.3920, 0.3672

Complementary

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



18.4807, 0.2680, 0.3547



10.3906, 0.3908, 0.3055

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.



18.4807, 0.3853, 0.3353



18.4807, 0.2680, 0.3547



18.4807, 0.3179, 0.2791

Square

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



18.4807, 0.2680, 0.3547



18.4807, 0.2512, 0.2667



18.4807, 0.3575, 0.3039



18.4807, 0.3761, 0.3920

Rectangle

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



18.4807, 0.2680, 0.3547



18.4807, 0.2390, 0.2931



18.4807, 0.3575, 0.3039



18.4807, 0.3924, 0.3569

Sweetspot

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



18.4814, 0.2680, 0.3547



36.9257, 0.2972, 0.3362



18.2649, 0.3208, 0.4469



8.2881, 0.2950, 0.3373



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.



18.4814, 0.2680, 0.3547



32.1965, 0.2605, 0.3615



15.2533, 0.2528, 0.2977



4.8710, 0.3020, 0.3338



16.2117, 0.2443, 0.3996



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.3906, 0.3908, 0.3055



15.6984, 0.4182, 0.3007



12.3894, 0.4022, 0.3577



4.3587, 0.3246, 0.3242



4.6361, 0.5941, 0.3047



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.4807, 0.2680, 0.3547 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 18.4807, 0.2680, 0.3547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

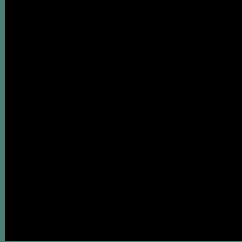
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4807, 0.2680, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 18.4807, 0.2680, 0.3547.



This preview shows how white text looks on a background with the Yxy color 18.4807, 0.2680, 0.3547.

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

18.4807, 0.2680, 0.3547

Protanopia

18.2421, 0.3262, 0.3425

Deuteranopia

18.2847, 0.3248, 0.3198



Tritanopia

18.4048, 0.2550, 0.3085

Trichromacy



Original Color

18.4807, 0.2680, 0.3547

Protanomaly

18.1146, 0.3022, 0.3472

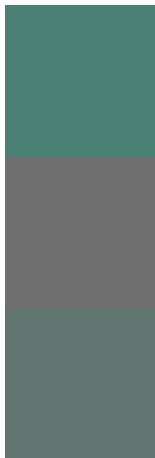
Deuteranomaly

18.0161, 0.3004, 0.3310

Tritanomaly

18.3834, 0.2595, 0.3247

Monochromacy



Original Color

18.4807, 0.2680, 0.3547

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.7458, 0.2938, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4807, 0.2680, 0.3547 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(75, 129, 117)` looks like.

```
.text, #text, p{  
  color:rgb(75, 129, 117)  
}
```

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(75, 129, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 129, 117) }
```

Border

The CSS property to change the border of an element to Yxy 18.4807, 0.2680, 0.3547 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(75, 129, 117) }
```

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

```
.border{ border-color:rgb(75, 129, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 129, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 129, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 129, 117);  
box-shadow:4px 4px 4px 4px rgb(75, 129,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4807, 0.2680, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 129, 117) }
```

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

```
.background{ background-color: rgb(75, 129,  
117) }
```

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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