

Converting Colors

$Y_{xy}(17.9388, 0.2986, 0.3936)$

Have a look what the booklet for
Yxy(17.9388, 0.2986, 0.3936)
contains.

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Color

Yxy(18.0680, 0.2985, 0.3943)

Conversions

Conversions Part 1

Format	Color
Hex	577F61
RGB	87, 127, 97
RGB Percent	34%, 50%, 38%
CMY	0.6588, 0.5020, 0.6196
CMYK	0.31, 0.00, 0.24, 0.50
HSL	135°, 19%, 42%
HSV	135°, 31%, 50%
XYZ	13.6782, 18.0680, 14.0768
YIQ	111.6200, -14.2100, -17.8100

Conversions

Conversions Part 2

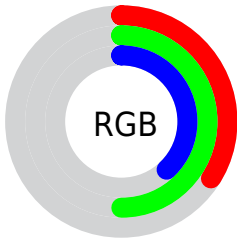
Format	Color
RYB	87, 119, 127
Decimal	5734241
CIELab	49.58, -20.65, 11.94
CIELCh	50, 23.849, 149.966
Yxy	18.0680, 0.2985, 0.3943
Android (android.graphics.Color)	4283924321 (0xFF577F61)
YUV	111.6200, -7.2077, -21.5917
Hunter-Lab	42.5065, -16.9468, 10.1195

Details

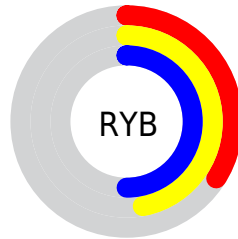
The Yxy color **18.0680, 0.2985, 0.3943** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.6143, 0.3310, 0.2716**, and the grayscale version is **16.1116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1839, 0.3021, 0.3776**, and **6.1191, 0.2894, 0.4258** is the 20% darker color. If you saturate the color by 10%, you get **17.3431, 0.2945, 0.4195**, and if you desaturate by 10%, it is **18.9234, 0.3029, 0.3712**.

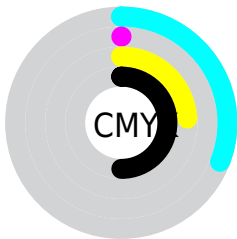
Distribution



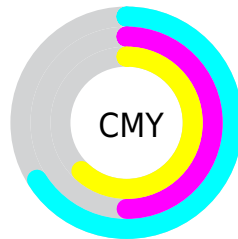
- Red (34%)
- Green (50%)
- Blue (38%)



- Red (34%)
- Yellow (47%)
- Blue (50%)



- Cyan (31%)
- Magenta (0%)
- Yellow (24%)
- Black (50%)



- Cyan (66%)
- Magenta (50%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0680, 0.2985, 0.3943 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 18.0680, 0.2985, 0.3943 by changing the saturation by 10% instead.

■ 18.0680, 0.2985,
0.3943

■ 18.0680, 0.2985,
0.3943

■ 241.2540, 0.3074,
0.3552

■ 10.9988, 0.2953,
0.4072

■ 40.1532, 0.3023,
0.3781

■ 6.0660, 0.2904,
0.4264

■ 55.9379, 0.3036,
0.3726

■ 2.8853, 0.2819,
0.4577

■ 75.3967, 0.3045,
0.3683

■ 1.0721, 0.2657,
0.5655

■ 98.9138, 0.3053,
0.3647

■ 0.0000, 0.0000,
0.0000

■ 126.8737, 0.3060,
0.3618

159.6608, 0.3065,

0.3592

197.6594, 0.3070,
0.3571

■ 18.0680, 0.2985,
0.3943

■ 18.0680, 0.2985,
0.3943

■ 17.3431, 0.2945,
0.4195

■ 18.9234, 0.3029,
0.3712

■ 16.7399, 0.2912,
0.4462

■ 19.9128, 0.3074,
0.3502

■ 16.2523, 0.2888,
0.4736


■ 21.0427, 0.3120,
0.3316


■ 15.8725, 0.2875,
0.5008


■ 22.3182, 0.3166,
0.3151

■ 15.5921, 0.2876,
0.5264

■ 23.7444, 0.3209,
0.3007

 15.4010, 0.2890,
0.5491

 25.3259, 0.3251,
0.2880

 15.2819, 0.2905,
0.5657

 27.0673, 0.3290,
0.2770

 28.9730, 0.3326,
0.2674

 31.0472, 0.3361,
0.2590

Harmonies

Analogous

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



18.0680, 0.3438, 0.4116



18.0680, 0.2985, 0.3943



18.0680, 0.2589, 0.3549

Triad

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



18.0680, 0.2985, 0.3943



18.0680, 0.2447, 0.2575



18.0680, 0.3976, 0.3385

Complementary

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



18.0680, 0.2985, 0.3943



12.6143, 0.3310, 0.2716

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.



18.0680, 0.3671, 0.3029



18.0680, 0.2985, 0.3943



18.0680, 0.2775, 0.2579

Square

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



18.0680, 0.2985, 0.3943



18.0680, 0.2297, 0.2750



18.0680, 0.3221, 0.2743



18.0680, 0.4029, 0.3744

Rectangle

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



18.0680, 0.2985, 0.3943



18.0680, 0.2406, 0.3243



18.0680, 0.3221, 0.2743



18.0680, 0.3899, 0.3263

Sweetspot

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



18.0688, 0.2985, 0.3943



36.0968, 0.3085, 0.3458



19.6956, 0.3460, 0.4072



8.3943, 0.3079, 0.3482



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.



18.0688, 0.2985, 0.3943



31.3715, 0.2955, 0.4128



18.4744, 0.2794, 0.3513



4.8350, 0.3085, 0.3456



15.4118, 0.2905, 0.5658



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6143, 0.3310, 0.2716



19.9360, 0.3365, 0.2580



12.2055, 0.3621, 0.3080



4.3946, 0.3172, 0.3130



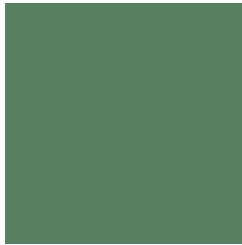
5.3882, 0.3935, 0.1942



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0680, 0.2985, 0.3943 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 18.0680, 0.2985, 0.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

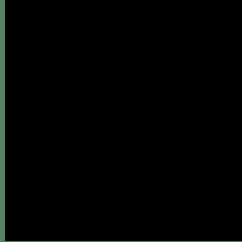
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0680, 0.2985, 0.3943

Background



This preview shows how black text looks on a background with the Yxy color 18.0680, 0.2985, 0.3943.



This preview shows how white text looks on a background with the Yxy color 18.0680, 0.2985, 0.3943.

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

18.0680, 0.2985, 0.3943

Protanopia

17.8553, 0.3542, 0.3775

Deuteranopia

17.8813, 0.3594, 0.3532



Tritanopia

17.9647, 0.2706, 0.3088

Trichromacy



Original Color

18.0680, 0.2985, 0.3943

Protanomaly

17.8624, 0.3315, 0.3841

Deuteranomaly

17.7093, 0.3356, 0.3668

Tritanomaly

17.9714, 0.2804, 0.3393

Monochromacy



Original Color

18.0680, 0.2985, 0.3943

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.6677, 0.3067, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0680, 0.2985, 0.3943 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(87, 127, 97)` looks like.

```
.text, #text, p{  
    color:rgb(87, 127, 97)  
}
```

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(87, 127, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 127, 97) }
```

Border

The CSS property to change the border of an element to Yxy 18.0680, 0.2985, 0.3943 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(87, 127, 97) }
```

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

```
.border{ border-color:rgb(87, 127, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 127, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 127, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 127, 97);  
box-shadow:4px 4px 4px 4px rgb(87, 127,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0680, 0.2985, 0.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 127, 97) }
```

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

```
.background{ background-color: rgb(87, 127,  
97) }
```

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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