

Converting Colors

$Y_{xy}(19.0851, 0.2863, 0.3780)$

Have a look what the booklet for
Yxy(19.0851, 0.2863, 0.3780)
contains.

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Color

Yxy(18.9581, 0.2868, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	55826B
RGB	85, 130, 107
RGB Percent	33%, 51%, 42%
CMY	0.6666, 0.4902, 0.5804
CMYK	0.35, 0.00, 0.18, 0.49
HSL	149°, 21%, 42%
HSV	149°, 35%, 51%
XYZ	14.3841, 18.9581, 16.8115
YIQ	113.9230, -19.4370, -16.6930

Conversions

Conversions Part 2

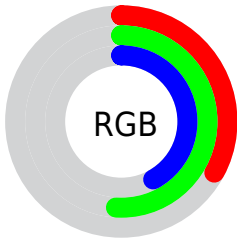
Format	Color
RYB	85, 115, 130
Decimal	5603947
CIELab	50.64, -20.78, 7.60
CIElCh	51, 22.128, 159.916
Yxy	18.9581, 0.2868, 0.3780
Android (android.graphics.Color)	4283794027 (0xFF55826B)
YUV	113.9230, -3.4130, -25.3655
Hunter-Lab	43.5409, -17.2277, 7.5862

Details

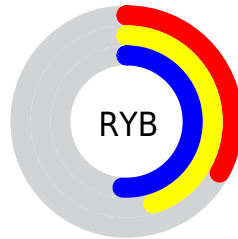
The Yxy color **18.9581, 0.2868, 0.3780** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.3289, 0.3505, 0.2850**, and the grayscale version is **16.8193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5698, 0.2932, 0.3664**, and **6.4569, 0.2747, 0.3988** is the 20% darker color. If you saturate the color by 10%, you get **18.2706, 0.2806, 0.3952**, and if you desaturate by 10%, it is **19.7698, 0.2938, 0.3621**.

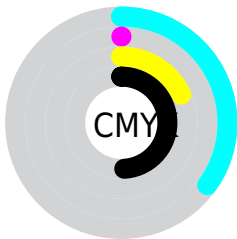
Distribution



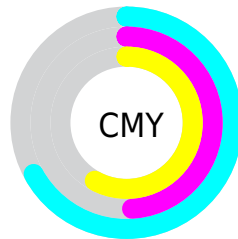
- Red (33%)
- Green (51%)
- Blue (42%)



- Red (33%)
- Yellow (45%)
- Blue (51%)



- Cyan (35%)
- Magenta (0%)
- Yellow (18%)
- Black (49%)





- Cyan (67%)
- Magenta (49%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9581, 0.2868, 0.3780 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 18.9581, 0.2868, 0.3780 by changing the saturation by 10% instead.


 18.9581, 0.2868,
0.3780


 18.9581, 0.2868,
0.3780


246.2174, 0.3021,
0.3491


 11.6400, 0.2819,
0.3873


 41.6633, 0.2931,
0.3661

 6.4991, 0.2748,
0.4010


 57.8192, 0.2952,
0.3621


 3.1508, 0.2633,
0.4231

 77.6898, 0.2969,
0.3589

 1.2110, 0.2378,
0.4704

 101.6595, 0.2983,
0.3562

 0.0706, 0.0000,
1.0000

 130.1127, 0.2995,
0.3540

 0.0000, 0.0000,
0.0000

163.4338, 0.3005,

0.3521

202.0072, 0.3013,
0.3505

■ 18.9581, 0.2868,
0.3780

■ 18.9581, 0.2868,
0.3780

■ 18.2706, 0.2806,
0.3952

■ 19.7698, 0.2938,
0.3621

■ 17.6984, 0.2755,
0.4134

■ 20.7091, 0.3013,
0.3476

■ 17.2355, 0.2718,
0.4325


■ 21.7824, 0.3091,
0.3346

■ 16.8741, 0.2698,
0.4519


■ 22.9948, 0.3170,
0.3229

■ 16.6053, 0.2695,
0.4711

■ 24.3513, 0.3248,
0.3125

 16.4171, 0.2711,
0.4897

 25.8565, 0.3325,
0.3033

 16.3300, 0.2721,
0.4995

 27.5148, 0.3399,
0.2952

 29.3305, 0.3471,
0.2881

 31.3076, 0.3539,
0.2819

Harmonies

Analogous

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



18.9581, 0.3278, 0.4015



18.9581, 0.2868, 0.3780



18.9581, 0.2542, 0.3389

Triad

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



18.9581, 0.2868, 0.3780



18.9581, 0.2587, 0.2616



18.9581, 0.3945, 0.3494

Complementary

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



18.9581, 0.2868, 0.3780



12.3289, 0.3505, 0.2850

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.



18.9581, 0.3737, 0.3157



18.9581, 0.2868, 0.3780



18.9581, 0.2934, 0.2670

Square

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



18.9581, 0.2868, 0.3780



18.9581, 0.2390, 0.2725



18.9581, 0.3357, 0.2864



18.9581, 0.3914, 0.3808

Rectangle

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



18.9581, 0.2868, 0.3780



18.9581, 0.2409, 0.3119



18.9581, 0.3357, 0.2864



18.9581, 0.3901, 0.3381

Sweetspot

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



18.9589, 0.2868, 0.3780



37.2680, 0.3047, 0.3417



19.8257, 0.3352, 0.4195



8.3862, 0.3038, 0.3433



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.



18.9589, 0.2868, 0.3780



32.3618, 0.2816, 0.3923



19.4889, 0.2663, 0.3304



4.8510, 0.3056, 0.3402



15.6595, 0.2720, 0.4992



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3289, 0.3505, 0.2850



18.7354, 0.3633, 0.2742



11.9140, 0.3886, 0.3278



4.3781, 0.3205, 0.3180



4.9343, 0.4848, 0.2444



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9581, 0.2868, 0.3780 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 18.9581, 0.2868, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

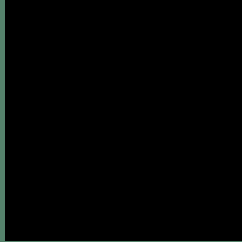
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9581, 0.2868, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 18.9581, 0.2868, 0.3780.



This preview shows how white text looks on a background with the Yxy color 18.9581, 0.2868, 0.3780.

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

18.9581, 0.2868, 0.3780

Protanopia

18.8279, 0.3419, 0.3634

Deuteranopia

18.7675, 0.3452, 0.3401



Tritanopia

18.9234, 0.2649, 0.3090

Trichromacy



Original Color

18.9581, 0.2868, 0.3780

Protanomaly

18.7943, 0.3193, 0.3691

Deuteranomaly

18.5608, 0.3216, 0.3525

Tritanomaly

18.7833, 0.2732, 0.3330

Monochromacy



Original Color

18.9581, 0.2868, 0.3780

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.4642, 0.3021, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9581, 0.2868, 0.3780 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(85, 130, 107)` looks like.

```
.text, #text, p{  
  color:rgb(85, 130, 107)  
}
```

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(85, 130, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 130, 107) }
```

Border

The CSS property to change the border of an element to Yxy 18.9581, 0.2868, 0.3780 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(85, 130, 107) }
```

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

```
.border{ border-color:rgb(85, 130, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 130, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 130, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 130, 107);  
box-shadow:4px 4px 4px 4px rgb(85, 130,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9581, 0.2868, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 130, 107) }
```

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

```
.background{ background-color: rgb(85, 130,  
107) }
```

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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