

Converting Colors

$Y_{xy}(18.5448, 0.2935, 0.3750)$

Have a look what the booklet for
Yxy(18.5448, 0.2935, 0.3750)
contains.

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Color

$Y_{xy}(18.4435, 0.2937, 0.3735)$

Conversions

Conversions Part 1

Format	Color
Hex	5B7F6A
RGB	91, 127, 106
RGB Percent	36%, 50%, 42%
CMY	0.6433, 0.5019, 0.5843
CMYK	0.28, 0.00, 0.17, 0.50
HSL	145°, 17%, 43%
HSV	145°, 28%, 50%
XYZ	14.5030, 18.4435, 16.4337
YIQ	113.8420, -14.7150, -14.1630

Conversions

Conversions Part 2

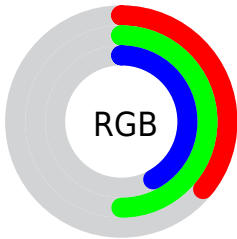
Format	Color
R_{YB}	91, 116, 127
Decimal	5996394
CIE _{Lab}	50.03, -17.43, 7.36
CIE _{LCh}	50, 18.917, 157.107
Y _{xy}	18.4435, 0.2937, 0.3735
Android (android.graphics.Color)	4284186474 (0xFF5B7F6A)
YUV	113.8420, -3.8661, -20.0324
Hunter-Lab	42.9459, -14.8753, 7.3741

Details

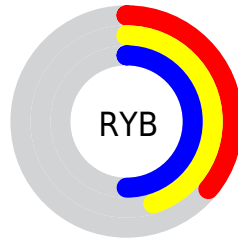
The Yxy color **18.4435, 0.2937, 0.3735** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.1578, 0.3379, 0.2884**, and the grayscale version is **16.7909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8276, 0.2986, 0.3632**, and **6.3000, 0.2851, 0.3946** is the 20% darker color. If you saturate the color by 10%, you get **17.7054, 0.2878, 0.3923**, and if you desaturate by 10%, it is **19.3057, 0.3002, 0.3563**.

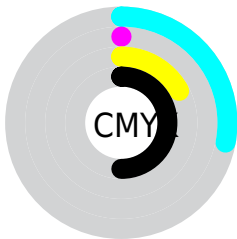
Distribution



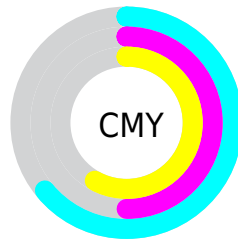
- Red (36%)
- Green (50%)
- Blue (42%)



- Red (36%)
- Yellow (45%)
- Blue (50%)



- Cyan (28%)
- Magenta (0%)
- Yellow (17%)
- Black (50%)




- Cyan (64%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4435, 0.2937, 0.3735 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 18.4435, 0.2937, 0.3735 by changing the saturation by 10% instead.


 18.4435, 0.2937,
0.3735


 18.4435, 0.2937,
0.3735


243.3591, 0.3050,
0.3472

 11.2689, 0.2900,
0.3820


 40.7916, 0.2984,
0.3627

 6.2480, 0.2846,
0.3946


 56.7339, 0.2999,
0.3590

 2.9964, 0.2758,
0.4148

 76.3674, 0.3012,
0.3561

 1.1299, 0.2567,
0.4604

 100.0767, 0.3022,
0.3537

 0.0033, 0.0000,
1.0000

128.2462, 0.3031,
0.3516

 0.0000, 0.0000,
0.0000

161.2601, 0.3038,

0.3499

199.5029, 0.3044,
0.3485

■ 18.4435, 0.2937,
0.3735

■ 18.4435, 0.2937,
0.3735

■ 17.7054, 0.2878,
0.3923

■ 19.3057, 0.3002,
0.3563

■ 17.0832, 0.2826,
0.4125

■ 20.2950, 0.3069,
0.3408

■ 16.5714, 0.2786,
0.4338

■ 21.4175, 0.3138,
0.3269

■ 16.1630, 0.2760,
0.4557

■ 22.6778, 0.3207,
0.3145

■ 15.8503, 0.2751,
0.4776

■ 24.0806, 0.3274,
0.3036

■ 15.6242, 0.2759,
0.4987

■ 25.6302, 0.3338,
0.2940

■ 15.4628, 0.2780,
0.5186

■ 27.3308, 0.3400,
0.2856

■ 15.4383, 0.2783,
0.5218

■ 29.1864, 0.3459,
0.2783

■ 31.2008, 0.3515,
0.2718

Harmonies

Analogous

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



18.4435, 0.3295, 0.3919



18.4435, 0.2937, 0.3735



18.4435, 0.2642, 0.3411

Triad

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



18.4435, 0.2937, 0.3735



18.4435, 0.2636, 0.2706



18.4435, 0.3823, 0.3445

Complementary

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



18.4435, 0.2937, 0.3735



13.1578, 0.3379, 0.2884

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.



18.4435, 0.3627, 0.3150



18.4435, 0.2937, 0.3735



18.4435, 0.2929, 0.2739

Square

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



18.4435, 0.2937, 0.3735



18.4435, 0.2476, 0.2819



18.4435, 0.3293, 0.2899



18.4435, 0.3818, 0.3721

Rectangle

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



18.4435, 0.2937, 0.3735



18.4435, 0.2515, 0.3178



18.4435, 0.3293, 0.2899



18.4435, 0.3778, 0.3345

Sweetspot

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



18.4443, 0.2937, 0.3735



36.1813, 0.3064, 0.3420



19.3800, 0.3344, 0.4011



8.4165, 0.3055, 0.3439



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.



18.4443, 0.2937, 0.3735



32.1492, 0.2898, 0.3854



18.8588, 0.2761, 0.3350



4.8462, 0.3065, 0.3418



15.5673, 0.2783, 0.5218



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1578, 0.3379, 0.2884



21.0615, 0.3454, 0.2789



12.7964, 0.3665, 0.3232



4.3830, 0.3195, 0.3165



5.0487, 0.4559, 0.2285



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.4435, 0.2937, 0.3735 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 18.4435, 0.2937, 0.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

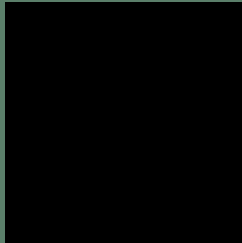
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4435, 0.2937, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 18.4435, 0.2937, 0.3735.

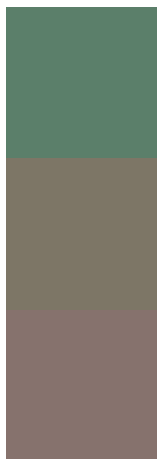


This preview shows how white text looks on a background with the Yxy color 18.4435, 0.2937, 0.3735.

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

18.4435, 0.2937, 0.3735

Protanopia

18.2761, 0.3413, 0.3598

Deuteranopia

18.2071, 0.3458, 0.3383



Tritanopia

18.3462, 0.2719, 0.3090

Trichromacy



Original Color

18.4435, 0.2937, 0.3735

Protanomaly

18.1647, 0.3235, 0.3651

Deuteranomaly

18.1279, 0.3244, 0.3506

Tritanomaly

18.2250, 0.2796, 0.3309

Monochromacy



Original Color

18.4435, 0.2937, 0.3735

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.4055, 0.3057, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4435, 0.2937, 0.3735 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(91, 127, 106)` looks like.

```
.text, #text, p{  
    color:rgb(91, 127, 106)  
}
```

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(91, 127, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 127, 106) }
```

Border

The CSS property to change the border of an element to Yxy 18.4435, 0.2937, 0.3735 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(91, 127, 106) }
```

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

```
.border{ border-color:rgb(91, 127, 106) }
```

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

Here you see how a box with a 4 pixel rgb(91, 127, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 127, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 127, 106);  
box-shadow:4px 4px 4px 4px rgb(91, 127,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4435, 0.2937, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 127, 106) }
```

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

```
.background{ background-color: rgb(91, 127,  
106) }
```

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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