

Converting Colors

$Y_{xy}(18.7147, 0.2937, 0.3789)$

Have a look what the booklet for
Yxy(18.7147, 0.2937, 0.3789)
contains.

Yxy(18.6319, 0.2937, 0.3778)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(18.6319, 0.2937, 0.3778)$

Conversions

Conversions Part 1

Format	Color
Hex	5A8069
RGB	90, 128, 105
RGB Percent	35%, 50%, 41%
CMY	0.6471, 0.4980, 0.5882
CMYK	0.30, 0.00, 0.18, 0.50
HSL	144°, 17%, 43%
HSV	144°, 30%, 50%
XYZ	14.4844, 18.6319, 16.2006
YIQ	114.0160, -15.2650, -15.2090

Conversions

Conversions Part 2

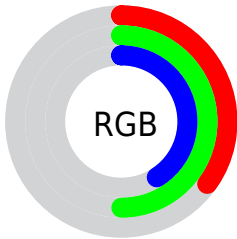
Format	Color
R_{YB}	90, 117, 128
Decimal	5931113
CIE _{Lab}	50.25, -18.51, 8.25
CIE _{LCh}	50, 20.264, 155.970
Yxy	18.6319, 0.2937, 0.3778
Android (android.graphics.Color)	4284121193 (0xFF5A8069)
YUV	114.0160, -4.4449, -21.0620
Hunter-Lab	43.1647, -15.6407, 7.9625

Details

The Yxy color **18.6319, 0.2937, 0.3778** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.0902, 0.3381, 0.2849**, and the grayscale version is **16.8486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1108, 0.2985, 0.3663**, and **6.3897, 0.2839, 0.4018** is the 20% darker color. If you saturate the color by 10%, you get **17.8933, 0.2881, 0.3976**, and if you desaturate by 10%, it is **19.4971, 0.2999, 0.3597**.

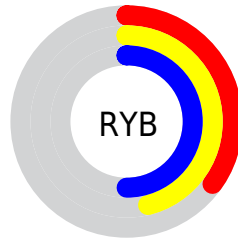
Distribution



Red (35%)

Green (50%)

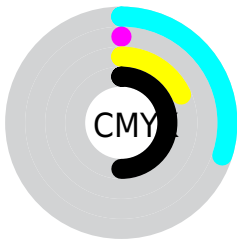
Blue (41%)



Red (35%)

Yellow (46%)

Blue (50%)

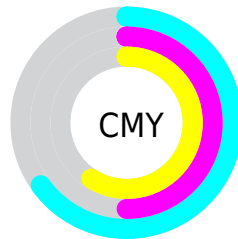


Cyan (30%)

Magenta (0%)

Yellow (18%)

Black (50%)



Cyan (65%)


Magenta (50%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6319, 0.2937, 0.3778 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 18.6319, 0.2937, 0.3778 by changing the saturation by 10% instead.


 18.6319, 0.2937,
0.3778


 18.6319, 0.2937,
0.3778


244.4090, 0.3050,
0.3489


 11.4046, 0.2900,
0.3872


 41.1112, 0.2984,
0.3659

 6.3397, 0.2845,
0.4009


 57.1319, 0.3000,
0.3619


 3.0527, 0.2755,
0.4232

 76.8526, 0.3012,
0.3587

 1.1593, 0.2564,
0.4741

 100.6576, 0.3023,
0.3560

 0.0281, 0.0000,
1.0000

 128.9314, 0.3031,
0.3538

 0.0000, 0.0000,
0.0000

162.0583, 0.3039,

0.3519

200.4227, 0.3045,
0.3503

■ 18.6319, 0.2937,
0.3778

■ 18.6319, 0.2937,
0.3778

■ 17.8933, 0.2881,
0.3976

■ 19.4971, 0.2999,
0.3597

■ 17.2728, 0.2833,
0.4188

■ 20.4923, 0.3063,
0.3433

■ 16.7648, 0.2796,
0.4410

■ 21.6233, 0.3129,
0.3286

■ 16.3620, 0.2774,
0.4638

■ 22.8954, 0.3195,
0.3156

■ 16.0562, 0.2768,
0.4863

■ 24.3130, 0.3259,
0.3041

■ 15.8381, 0.2779,
0.5079

■ 25.8809, 0.3320,
0.2940

■ 15.6798, 0.2801,
0.5280

■ 27.6032, 0.3380,
0.2851

■ 15.6754, 0.2802,
0.5285

■ 29.4842, 0.3436,
0.2774

■ 31.5277, 0.3489,
0.2706

Harmonies

Analogous

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



18.6319, 0.3319, 0.3967



18.6319, 0.2937, 0.3778



18.6319, 0.2619, 0.3433

Triad

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



18.6319, 0.2937, 0.3778



18.6319, 0.2595, 0.2671



18.6319, 0.3866, 0.3441

Complementary

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



18.6319, 0.2937, 0.3778



13.0902, 0.3381, 0.2849

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.



18.6319, 0.3649, 0.3129



18.6319, 0.2937, 0.3778



18.6319, 0.2902, 0.2701

Square

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



18.6319, 0.2937, 0.3778



18.6319, 0.2432, 0.2794



18.6319, 0.3288, 0.2866



18.6319, 0.3869, 0.3737

Rectangle

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



18.6319, 0.2937, 0.3778



18.6319, 0.2482, 0.3182



18.6319, 0.3288, 0.2866



18.6319, 0.3816, 0.3335

Sweetspot

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



18.6327, 0.2937, 0.3778



36.1700, 0.3067, 0.3425



19.7169, 0.3370, 0.4044



8.4135, 0.3058, 0.3444



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.



18.6327, 0.2937, 0.3778



31.8535, 0.2896, 0.3917



19.0569, 0.2757, 0.3380



4.8447, 0.3067, 0.3423



15.5420, 0.2801, 0.5285



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0902, 0.3381, 0.2849



20.3624, 0.3462, 0.2740



12.7142, 0.3678, 0.3204



4.3845, 0.3192, 0.3160



5.0877, 0.4472, 0.2237



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6319, 0.2937, 0.3778 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 18.6319, 0.2937, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

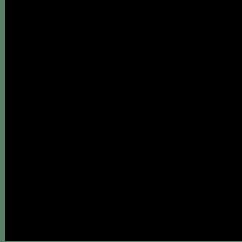
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6319, 0.2937, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 18.6319, 0.2937, 0.3778.



This preview shows how white text looks on a background with the Yxy color 18.6319, 0.2937, 0.3778.

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

18.6319, 0.2937, 0.3778

Protanopia

18.5494, 0.3447, 0.3654

Deuteranopia

18.4951, 0.3481, 0.3419



Tritanopia

18.6233, 0.2711, 0.3091

Trichromacy



Original Color

18.6319, 0.2937, 0.3778

Protanomaly

18.3891, 0.3245, 0.3691

Deuteranomaly

18.4164, 0.3267, 0.3544

Tritanomaly

18.4770, 0.2798, 0.3330

Monochromacy



Original Color

18.6319, 0.2937, 0.3778

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3446, 0.3045, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6319, 0.2937, 0.3778 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(90, 128, 105) looks like.

```
.text, #text, p{  
    color:rgb(90, 128, 105)  
}
```

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(90, 128, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 128, 105) }
```

Border

The CSS property to change the border of an element to Yxy 18.6319, 0.2937, 0.3778 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(90, 128, 105) }
```

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

```
.border{ border-color:rgb(90, 128, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 128, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 128, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 128, 105);  
box-shadow:4px 4px 4px 4px rgb(90, 128,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6319, 0.2937, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 128, 105) }
```

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

```
.background{ background-color: rgb(90, 128,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor