

Converting Colors

$Y_{xy}(18.7112, 0.2843, 0.4328)$

Have a look what the booklet for
Yxy(18.7112, 0.2843, 0.4328)
contains.

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Color

Yxy(18.8115, 0.2845, 0.4338)

Conversions

Conversions Part 1

Format	Color
Hex	3F8658
RGB	63, 134, 88
RGB Percent	25%, 53%, 35%
CMY	0.7529, 0.4745, 0.6549
CMYK	0.53, 0.00, 0.34, 0.47
HSL	141°, 36%, 39%
HSV	141°, 53%, 53%
XYZ	12.3372, 18.8115, 12.2158
YIQ	107.5270, -27.5500, -29.3580

Conversions

Conversions Part 2

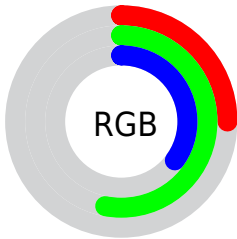
Format	Color
RYB	63, 116, 134
Decimal	4163160
CIELab	50.47, -33.33, 18.14
CIElCh	50, 37.945, 151.449
Yxy	18.8115, 0.2845, 0.4338
Android (android.graphics.Color)	4282353240 (0xFF3F8658)
YUV	107.5270, -9.6268, -39.0502
Hunter-Lab	43.3722, -25.1272, 13.6616

Details

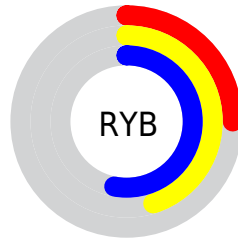
The Yxy color **18.8115, 0.2845, 0.4338** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7285, 0.3621, 0.2451**, and the grayscale version is **14.8914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5144, 0.2925, 0.4079**, and **6.5078, 0.2687, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **18.2880, 0.2816, 0.4580**, and if you desaturate by 10%, it is **19.4611, 0.2886, 0.4105**.

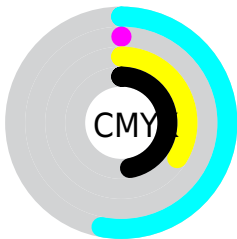
Distribution



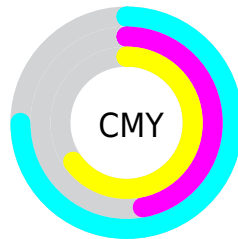
- Red (25%)
- Green (53%)
- Blue (35%)



- Red (25%)
- Yellow (45%)
- Blue (53%)



- Cyan (53%)
- Magenta (0%)
- Yellow (34%)
- Black (47%)





- Cyan (75%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8115, 0.2845, 0.4338 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 18.8115, 0.2845, 0.4338 by changing the saturation by 10% instead.


 18.8115, 0.2845,
0.4338


 18.8115, 0.2845,
0.4338


245.4062, 0.3024,
0.3704


 11.5342, 0.2780,
0.4550


 41.4153, 0.2922,
0.4073

 6.4273, 0.2679,
0.4867


 57.5106, 0.2947,
0.3984


 3.1066, 0.2504,
0.5384

 77.3140, 0.2967,
0.3914

 1.1876, 0.1949,
0.8051

 101.2099, 0.2983,
0.3856

 0.0516, 0.0000,
1.0000

 129.5826, 0.2996,
0.3809

 0.0000, 0.0000,
0.0000

162.8167, 0.3007,

0.3768

201.2964, 0.3016,
0.3734

■ 18.8115, 0.2845,
0.4338

■ 18.8115, 0.2845,
0.4338

■ 18.2880, 0.2816,
0.4580

■ 19.4611, 0.2886,
0.4105

■ 17.8797, 0.2802,
0.4823

■ 20.2421, 0.2935,
0.3885

■ 17.5778, 0.2803,
0.5058

■ 21.1625, 0.2990,
0.3683

■ 17.3709, 0.2822,
0.5275

■ 22.2288, 0.3049,
0.3500

■ 17.2572, 0.2838,
0.5416

■ 23.4470, 0.3109,
0.3335

■ 24.8230, 0.3169,
0.3190

■ 26.3622, 0.3228,
0.3061

■ 28.0698, 0.3284,
0.2948

■ 29.9509, 0.3339,
0.2849

Harmonies

Analogous

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



18.8115, 0.3535, 0.4611



18.8115, 0.2845, 0.4338



18.8115, 0.2268, 0.3653

Triad

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



18.8115, 0.2845, 0.4338



18.8115, 0.2120, 0.2209



18.8115, 0.4477, 0.3417

Complementary

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



18.8115, 0.2845, 0.4338



9.7285, 0.3621, 0.2451

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.



18.8115, 0.4010, 0.2905



18.8115, 0.2845, 0.4338



18.8115, 0.2605, 0.2243

Square

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



18.8115, 0.2845, 0.4338



18.8115, 0.1895, 0.2425



18.8115, 0.3294, 0.2491



18.8115, 0.4515, 0.3951

Rectangle

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



18.8115, 0.2845, 0.4338



18.8115, 0.2018, 0.3150



18.8115, 0.3294, 0.2491



18.8115, 0.4365, 0.3240

Sweetspot

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



18.8123, 0.2845, 0.4338



38.5012, 0.3029, 0.3559



20.6704, 0.3556, 0.4668



8.6007, 0.3019, 0.3590



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.8123, 0.2845, 0.4338



32.0283, 0.2811, 0.4639



19.5464, 0.2549, 0.3516



5.2298, 0.3072, 0.3434



16.1743, 0.2836, 0.5411



0.0573, 0.2607, 0.4584

Inverse Universe

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



9.7285, 0.3621, 0.2451



14.1514, 0.3791, 0.2293



9.1142, 0.4358, 0.3095



4.7357, 0.3186, 0.3150



5.3937, 0.4308, 0.2147



0.0201, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 18.8115, 0.2845, 0.4338 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 18.8115, 0.2845, 0.4338 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 18.8115, 0.2845, 0.4338

Background



This preview shows how black text looks on a background with the Yxy color 18.8115, 0.2845, 0.4338.



This preview shows how white text looks on a background with the Yxy color 18.8115, 0.2845, 0.4338.

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

18.8115, 0.2845, 0.4338

Protanopia

18.4700, 0.3710, 0.3990

Deuteranopia

18.6096, 0.3760, 0.3706



Tritanopia

18.8098, 0.2507, 0.3085

Trichromacy



Original Color

18.8115, 0.2845, 0.4338

Protanomaly

18.0587, 0.3341, 0.4124

Deuteranomaly

18.1191, 0.3360, 0.3920

Tritanomaly

18.6609, 0.2623, 0.3503

Monochromacy



Original Color

18.8115, 0.2845, 0.4338

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.9375, 0.2999, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8115, 0.2845, 0.4338 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(63, 134, 88)` looks like.

```
.text, #text, p{  
    color:rgb(63, 134, 88)  
}
```

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(63, 134, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 134, 88) }
```

Border

The CSS property to change the border of an element to Yxy 18.8115, 0.2845, 0.4338 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(63, 134, 88) }
```

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

```
.border{ border-color:rgb(63, 134, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 134, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 134, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 134, 88);  
box-shadow:4px 4px 4px 4px rgb(63, 134,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8115, 0.2845, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 134, 88) }
```

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

```
.background{ background-color: rgb(63, 134,  
88) }
```

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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