

Converting Colors

$Y_{xy}(18.8684, 0.2977, 0.5835)$

Have a look what the booklet for
Yxy(18.8684, 0.2977, 0.5835)
contains.

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Color

Yxy(18.8684, 0.2977, 0.5835)

Conversions

Conversions Part 1

Format	Color
Hex	098C15
RGB	9, 140, 21
RGB Percent	4%, 55%, 8%
CMY	0.9643, 0.4510, 0.9178
CMYK	0.94, 0.00, 0.85, 0.45
HSL	125°, 88%, 29%
HSV	125°, 94%, 55%
XYZ	9.6266, 18.8684, 3.8416
YIQ	87.2650, -39.8770, -64.7810

Conversions

Conversions Part 2

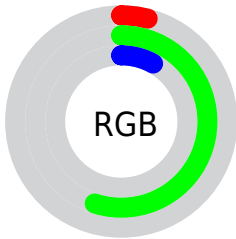
Format	Color
RYB	9, 129, 140
Decimal	625685
CIELab	50.53, -53.71, 49.12
CIELCh	51, 72.783, 137.560
Yxy	18.8684, 0.2977, 0.5835
Android (android.graphics.Color)	4278815765 (0xFF098C15)
YUV	87.2650, -32.6686, -68.6384
Hunter-Lab	43.4378, -36.4572, 25.1629

Details

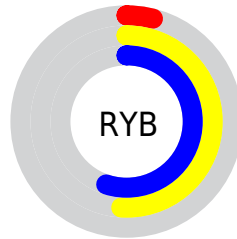
The Yxy color **18.8684, 0.2977, 0.5835** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.3352, 0.3426, 0.1696**, and the grayscale version is **9.6750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5923, 0.3093, 0.5191**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.7848, 0.2978, 0.5920**, and if you desaturate by 10%, it is **19.0535, 0.2972, 0.5652**.

Distribution



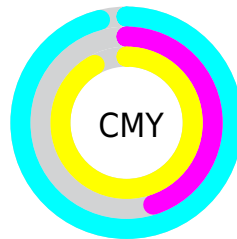
- Red (4%)
- Green (55%)
- Blue (8%)



- Red (4%)
- Yellow (51%)
- Blue (55%)



- Cyan (94%)
- Magenta (0%)
- Yellow (85%)
- Black (45%)





- Cyan (96%)
- Magenta (45%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8684, 0.2977, 0.5835 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 18.8684, 0.2977, 0.5835 by changing the saturation by 10% instead.


 18.8684, 0.2977,
0.5835


 18.8684, 0.2977,
0.5835


245.7213, 0.3171,
0.4279


 11.5752, 0.2844,
0.6316


 41.5116, 0.3097,
0.5195

 6.4551, 0.2644,
0.7086


 57.6304, 0.3125,
0.4977


 3.1238, 0.2138,
0.7862

 77.4599, 0.3142,
0.4802

 1.1967, 0.0000,
1.0000

 101.3845, 0.3154,
0.4658


 0.0590, 0.0000,
1.0000


 129.7885, 0.3161,
0.4539


 0.0000, 0.0000,
0.0000


 163.0564, 0.3166,


0.4439


 201.5725, 0.3169,
0.4353


 18.8684, 0.2977,
0.5835


 18.8684, 0.2977,
0.5835


 18.7848, 0.2978,
0.5920

 19.0535, 0.2972,
0.5652

 19.3522, 0.2974,
0.5406

 19.7801, 0.2983,
0.5113

 20.3499, 0.2999,
0.4794

 21.0726, 0.3020,
0.4470

■ 21.9582, 0.3044,
0.4157

■ 23.0157, 0.3069,
0.3866

■ 24.2537, 0.3094,
0.3601

■ 25.6799, 0.3119,
0.3366

Harmonies

Analogous

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



18.8684, 0.4122, 0.5508



18.8684, 0.2977, 0.5835



18.8684, 0.1921, 0.4750

Triad

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



18.8684, 0.2977, 0.5835



18.8684, 0.1249, 0.1556



18.8684, 0.5361, 0.2944

Complementary

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



18.8684, 0.2977, 0.5835



7.3352, 0.3426, 0.1696

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.



18.8684, 0.4154, 0.2249



18.8684, 0.2977, 0.5835



18.8684, 0.1773, 0.1495

Square

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



18.8684, 0.2977, 0.5835



18.8684, 0.1085, 0.2005



18.8684, 0.2761, 0.1735



18.8684, 0.5675, 0.3716

Rectangle

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



18.8684, 0.2977, 0.5835



18.8684, 0.1432, 0.3593



18.8684, 0.2761, 0.1735



18.8684, 0.5034, 0.2701

Sweetspot

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



18.8692, 0.2977, 0.5835



39.5899, 0.3056, 0.4011



23.4508, 0.4042, 0.5125



8.9623, 0.3046, 0.4125



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.8692, 0.2977, 0.5835



33.1067, 0.2983, 0.5938



19.4784, 0.2624, 0.4584



5.6151, 0.3105, 0.3495



16.6923, 0.2976, 0.5915



0.1117, 0.2874, 0.5548

Inverse Universe

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



7.3352, 0.3426, 0.1696



12.5336, 0.3451, 0.1675



6.1391, 0.5071, 0.2632



5.1213, 0.3150, 0.3094



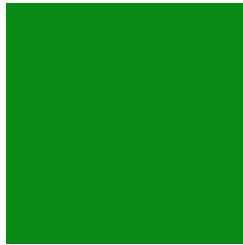
6.3244, 0.3444, 0.1671



0.0431, 0.3316, 0.1601

Previews

White Background



This preview shows how the Yxy color 18.8684, 0.2977, 0.5835 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 18.8684, 0.2977, 0.5835 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 18.8684, 0.2977, 0.5835

Background



This preview shows how black text looks on a background with the Yxy color 18.8684, 0.2977, 0.5835.



This preview shows how white text looks on a background with the Yxy color 18.8684, 0.2977, 0.5835.

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

18.8684, 0.2977, 0.5835

Protanopia

18.6183, 0.4354, 0.4827

Deuteranopia

18.6460, 0.4521, 0.4457



Tritanopia

18.8182, 0.2374, 0.3061

Trichromacy



Original Color

18.8684, 0.2977, 0.5835



Protanomaly

17.3431, 0.3644, 0.5351



Deuteranomaly

16.9175, 0.3747, 0.5081



Tritanomaly

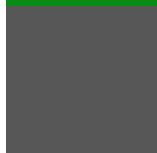
18.3847, 0.2622, 0.4157

Monochromacy



Original Color

18.8684, 0.2977, 0.5835



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.5968, 0.3024, 0.4464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8684, 0.2977, 0.5835 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(9, 140, 21)` looks like.

```
.text, #text, p{  
    color:rgb(9, 140, 21)  
}
```

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(9, 140, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 140, 21) }
```

Border

The CSS property to change the border of an element to Yxy 18.8684, 0.2977, 0.5835 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(9, 140, 21) }
```

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

```
.border{ border-color:rgb(9, 140, 21) }
```

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

Here you see how a box with a 4 pixel rgb(9, 140, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 140, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 140, 21);  
box-shadow:4px 4px 4px 4px rgb(9, 140, 21)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.8684, 0.2977, 0.5835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 140, 21) }
```

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

```
.background{ background-color: rgb(9, 140,  
21) }
```

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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