

Converting Colors

$Y_{xy}(18.7808, 0.2899, 0.5146)$

Have a look what the booklet for
Yxy(18.7808, 0.2899, 0.5146)
contains.

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Color

Yxy(18.8758, 0.2902, 0.5160)

Conversions

Conversions Part 1

Format	Color
Hex	258A3A
RGB	37, 138, 58
RGB Percent	15%, 54%, 23%
CMY	0.8549, 0.4588, 0.7725
CMYK	0.73, 0.00, 0.58, 0.46
HSL	132°, 58%, 34%
HSV	132°, 73%, 54%
XYZ	10.6158, 18.8758, 7.0894
YIQ	98.6810, -34.5160, -46.2920

Conversions

Conversions Part 2

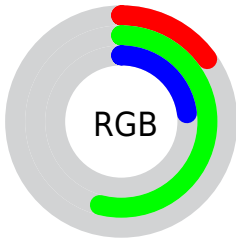
Format	Color
RYB	37, 121, 138
Decimal	2460218
CIELab	50.54, -46.03, 34.27
CIElCh	51, 57.381, 143.332
Yxy	18.8758, 0.2902, 0.5160
Android (android.graphics.Color)	4280650298 (0xFF258A3A)
YUV	98.6810, -20.0557, -54.0942
Hunter-Lab	43.4463, -32.4157, 20.7377

Details

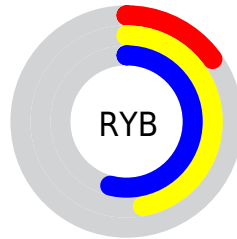
The Yxy color **18.8758, 0.2902, 0.5160** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.0113, 0.3590, 0.2004**, and the grayscale version is **12.4524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3234, 0.2990, 0.4665**, and **6.8339, 0.2962, 0.5865** is the 20% darker color. If you saturate the color by 10%, you get **18.5680, 0.2905, 0.5415**, and if you desaturate by 10%, it is **19.3053, 0.2911, 0.4880**.

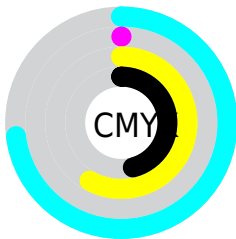
Distribution



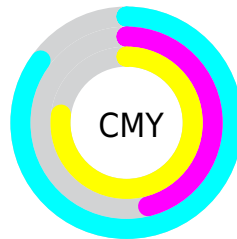
- Red (15%)
- Green (54%)
- Blue (23%)



- Red (15%)
- Yellow (47%)
- Blue (54%)



- Cyan (73%)
- Magenta (0%)
- Yellow (58%)
- Black (46%)





- Cyan (85%)
- Magenta (46%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8758, 0.2902, 0.5160 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 18.8758, 0.2902, 0.5160 by changing the saturation by 10% instead.


 18.8758, 0.2902,
0.5160


 18.8758, 0.2902,
0.5160


245.7623, 0.3084,
0.4010


 11.5806, 0.2812,
0.5543


 41.5241, 0.2995,
0.4677


 6.4588, 0.2652,
0.6099


 57.6460, 0.3020,
0.4517


 3.1260, 0.2473,
0.7338

 77.4789, 0.3039,
0.4389

 1.1979, 0.0000,
1.0000

 101.4072, 0.3053,
0.4285

 0.0600, 0.0000,
1.0000

 129.8153, 0.3063,
0.4199

 0.0000, 0.0000,
0.0000

 163.0875, 0.3072,

0.4126

201.6084, 0.3078,
0.4064

■ 18.8758, 0.2902,
0.5160

■ 18.8758, 0.2902,
0.5160

■ 18.5680, 0.2905,
0.5415

■ 19.3053, 0.2911,
0.4880

■ 18.3665, 0.2921,
0.5631

■ 19.8653, 0.2931,
0.4590

■ 18.2646, 0.2931,
0.5753

■ 20.5665, 0.2960,
0.4304

■ 21.4177, 0.2995,
0.4032

■ 22.4270, 0.3033,
0.3780

■ 23.6020, 0.3074,
0.3553

■ 24.9497, 0.3114,
0.3350

■ 26.4769, 0.3154,
0.3170

■ 28.1897, 0.3192,
0.3014

Harmonies

Analogous

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



18.8758, 0.3876, 0.5224



18.8758, 0.2902, 0.5160



18.8758, 0.2038, 0.4169

Triad

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



18.8758, 0.2902, 0.5160



18.8758, 0.1600, 0.1806



18.8758, 0.5024, 0.3187

Complementary

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



18.8758, 0.2902, 0.5160



8.0113, 0.3590, 0.2004

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.



18.8758, 0.4169, 0.2547



18.8758, 0.2902, 0.5160



18.8758, 0.2142, 0.1793

Square

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



18.8758, 0.2902, 0.5160



18.8758, 0.1397, 0.2153



18.8758, 0.3050, 0.2053



18.8758, 0.5194, 0.3895

Rectangle

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



18.8758, 0.2902, 0.5160



18.8758, 0.1651, 0.3325



18.8758, 0.3050, 0.2053



18.8758, 0.4803, 0.2963

Sweetspot

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



18.8766, 0.2902, 0.5160



39.6681, 0.3036, 0.3763



22.1488, 0.3820, 0.5016



8.7996, 0.3027, 0.3818



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.8766, 0.2902, 0.5160



32.4715, 0.2914, 0.5565



19.6473, 0.2538, 0.3975



5.6242, 0.3090, 0.3468



16.7476, 0.2930, 0.5747



0.1130, 0.2740, 0.5063

Inverse Universe

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



8.0113, 0.3590, 0.2004



12.1459, 0.3722, 0.1890



7.1361, 0.4790, 0.2810



5.1115, 0.3166, 0.3119



5.9742, 0.3798, 0.1866



0.0418, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 18.8758, 0.2902, 0.5160 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 18.8758, 0.2902, 0.5160 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 18.8758, 0.2902, 0.5160

Background



This preview shows how black text looks on a background with the Yxy color 18.8758, 0.2902, 0.5160.



This preview shows how white text looks on a background with the Yxy color 18.8758, 0.2902, 0.5160.

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

18.8758, 0.2902, 0.5160

Protanopia

18.6674, 0.4086, 0.4484

Deuteranopia

18.5273, 0.4189, 0.4123



Tritanopia

18.9487, 0.2413, 0.3083

Trichromacy



Original Color

18.8758, 0.2902, 0.5160



Protanomaly

18.0418, 0.3535, 0.4798



Deuteranomaly

17.5779, 0.3592, 0.4543



Tritanomaly

18.6851, 0.2592, 0.3806

Monochromacy



Original Color

18.8758, 0.2902, 0.5160



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

13.9868, 0.2995, 0.3995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8758, 0.2902, 0.5160 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(37, 138, 58)` looks like.

```
.text, #text, p{  
    color:rgb(37, 138, 58)  
}
```

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(37, 138, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 138, 58) }
```

Border

The CSS property to change the border of an element to Yxy 18.8758, 0.2902, 0.5160 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(37, 138, 58) }
```

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

```
.border{ border-color:rgb(37, 138, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 138, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 138, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 138, 58);  
box-shadow:4px 4px 4px 4px rgb(37, 138,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8758, 0.2902, 0.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 138, 58) }
```

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

```
.background{ background-color: rgb(37, 138,  
58) }
```

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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