

Converting Colors

$Y_{xy}(18.8045, 0.2997, 0.4945)$

Have a look what the booklet for
Yxy(18.8045, 0.2997, 0.4945)
contains.

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Color

$Y_{xy}(18.8483, 0.2992, 0.4940)$

Conversions

Conversions Part 1

Format	Color
Hex	398840
RGB	57, 136, 64
RGB Percent	22%, 53%, 25%
CMY	0.7766, 0.4666, 0.7489
CMYK	0.58, 0.00, 0.53, 0.47
HSL	125°, 41%, 38%
HSV	125°, 58%, 53%
XYZ	11.4158, 18.8483, 7.8903
YIQ	104.1710, -23.9720, -39.1400

Conversions

Conversions Part 2

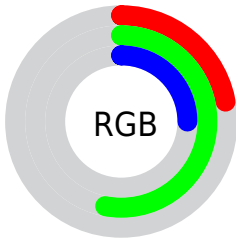
Format	Color
RYB	57, 130, 136
Decimal	3770432
CIELab	50.51, -39.98, 31.29
CIELCh	51, 50.770, 141.955
Yxy	18.8483, 0.2992, 0.4940
Android (android.graphics.Color)	4281960512 (0xFF398840)
YUV	104.1710, -19.8043, -41.3690
Hunter-Lab	43.4146, -29.0393, 19.6146

Details

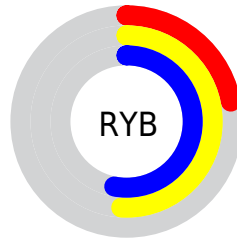
The Yxy color **18.8483, 0.2992, 0.4940** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7407, 0.3305, 0.2067**, and the grayscale version is **13.9489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3987, 0.3055, 0.4525**, and **6.5375, 0.2912, 0.5683** is the 20% darker color. If you saturate the color by 10%, you get **18.3760, 0.2979, 0.5249**, and if you desaturate by 10%, it is **19.4605, 0.3011, 0.4617**.

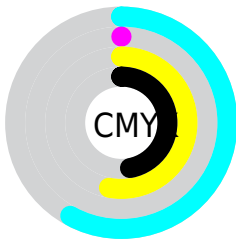
Distribution



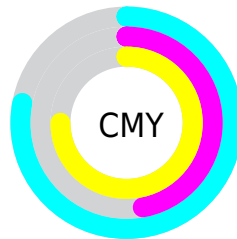
- Red (22%)
- Green (53%)
- Blue (25%)



- Red (22%)
- Yellow (51%)
- Blue (53%)



- Cyan (58%)
- Magenta (0%)
- Yellow (53%)
- Black (47%)





- Cyan (78%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8483, 0.2992, 0.4940 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 18.8483, 0.2992, 0.4940 by changing the saturation by 10% instead.


 18.8483, 0.2992,
0.4940


 18.8483, 0.2992,
0.4940


245.6100, 0.3111,
0.3931


 11.5607, 0.2928,
0.5275


 41.4776, 0.3055,
0.4517

 6.4453, 0.2811,
0.5765


 57.5881, 0.3072,
0.4377


 3.1177, 0.2655,
0.6730

 77.4084, 0.3084,
0.4265

 1.1935, 0.0981,
0.9019

 101.3228, 0.3093,
0.4173

 0.0564, 0.0000,
1.0000

 129.7158, 0.3099,
0.4097

 0.0000, 0.0000,
0.0000

 162.9717, 0.3104,

0.4033

201.4750, 0.3108,
0.3979

■ 18.8483, 0.2992,
0.4940

■ 18.8483, 0.2992,
0.4940

■ 18.3760, 0.2979,
0.5249

■ 19.4605, 0.3011,
0.4617

■ 18.0305, 0.2973,
0.5523

■ 20.2201, 0.3033,
0.4298

■ 17.8000, 0.2974,
0.5743

■ 21.1366, 0.3058,
0.3996

■ 17.6594, 0.2978,
0.5896

■ 22.2182, 0.3083,
0.3719

■ 17.6368, 0.2977,
0.5919

■ 23.4724, 0.3108,
0.3470

■ 24.9063, 0.3132,
0.3251

■ 26.5267, 0.3154,
0.3059

■ 28.3399, 0.3175,
0.2893

■ 30.3520, 0.3194,
0.2749

Harmonies

Analogous

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



18.8483, 0.3876, 0.5008



18.8483, 0.2992, 0.4940



18.8483, 0.2192, 0.4112

Triad

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



18.8483, 0.2992, 0.4940



18.8483, 0.1721, 0.1952



18.8483, 0.4788, 0.3192

Complementary

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



18.8483, 0.2992, 0.4940



9.7407, 0.3305, 0.2067

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.



18.8483, 0.4011, 0.2599



18.8483, 0.2992, 0.4940



18.8483, 0.2212, 0.1920

Square

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



18.8483, 0.2992, 0.4940



18.8483, 0.1547, 0.2303



18.8483, 0.3023, 0.2150



18.8483, 0.4992, 0.3850

Rectangle

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



18.8483, 0.2992, 0.4940



18.8483, 0.1818, 0.3385



18.8483, 0.3023, 0.2150



18.8483, 0.4581, 0.2984

Sweetspot

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



18.8491, 0.2992, 0.4940



39.3063, 0.3085, 0.3699



22.6049, 0.3847, 0.4660



9.0222, 0.3081, 0.3744



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.



18.8491, 0.2992, 0.4940



32.1499, 0.2976, 0.5347



19.4593, 0.2678, 0.4027



5.6150, 0.3105, 0.3495



16.6919, 0.2977, 0.5917



0.1117, 0.2876, 0.5553

Inverse Universe

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



9.7407, 0.3305, 0.2067



14.4655, 0.3352, 0.1869



8.8937, 0.4077, 0.2694



5.1214, 0.3150, 0.3093



6.3285, 0.3441, 0.1669



0.0431, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 18.8483, 0.2992, 0.4940 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 18.8483, 0.2992, 0.4940 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 18.8483, 0.2992, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 18.8483, 0.2992, 0.4940.



This preview shows how white text looks on a background with the Yxy color 18.8483, 0.2992, 0.4940.

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

18.8483, 0.2992, 0.4940

Protanopia

18.6542, 0.4003, 0.4387

Deuteranopia

18.4966, 0.4116, 0.4050



Tritanopia

18.7692, 0.2500, 0.3085

Trichromacy



Original Color

18.8483, 0.2992, 0.4940

Protanomaly

18.2619, 0.3569, 0.4613

Deuteranomaly

17.8471, 0.3631, 0.4375

Tritanomaly

18.6092, 0.2679, 0.3729

Monochromacy



Original Color

18.8483, 0.2992, 0.4940

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.2383, 0.3073, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8483, 0.2992, 0.4940 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(57, 136, 64)` looks like.

```
.text, #text, p{  
    color:rgb(57, 136, 64)  
}
```

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(57, 136, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 136, 64) }
```

Border

The CSS property to change the border of an element to Yxy 18.8483, 0.2992, 0.4940 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(57, 136, 64) }
```

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

```
.border{ border-color:rgb(57, 136, 64) }
```

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

Here you see how a box with a 4 pixel rgb(57, 136, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 136, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 136, 64);  
box-shadow:4px 4px 4px 4px rgb(57, 136,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8483, 0.2992, 0.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 136, 64) }
```

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

```
.background{ background-color: rgb(57, 136,  
64) }
```

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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