

Converting Colors

$Y_{xy}(18.8625, 0.3068, 0.5434)$

Have a look what the booklet for
Yxy(18.8625, 0.3068, 0.5434)
contains.

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Color

Yxy(18.9654, 0.3071, 0.5439)

Conversions

Conversions Part 1

Format	Color
Hex	308A29
RGB	48, 138, 41
RGB Percent	19%, 54%, 16%
CMY	0.8117, 0.4588, 0.8391
CMYK	0.65, 0.00, 0.70, 0.46
HSL	116°, 54%, 35%
HSV	116°, 70%, 54%
XYZ	10.7084, 18.9654, 5.1955
YIQ	100.0320, -22.5030, -49.2470

Conversions

Conversions Part 2

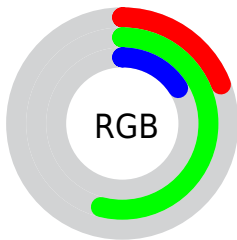
Format	Color
R_{YB}	41, 138, 131
Decimal	3181097
CIE _{Lab}	50.65, -45.78, 42.37
CIE _{LCh}	51, 62.376, 137.218
Yxy	18.9654, 0.3071, 0.5439
Android (android.graphics.Color)	4281371177 (0xFF308A29)
YUV	100.0320, -29.1028, -45.6321
Hunter-Lab	43.5493, -32.3198, 23.4111

Details

The Yxy color **18.9654, 0.3071, 0.5439** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.2478, 0.3081, 0.1724**, and the grayscale version is **12.8344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5362, 0.3144, 0.4887**, and **6.8164, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.6184, 0.3052, 0.5689**, and if you desaturate by 10%, it is **19.4377, 0.3088, 0.5135**.

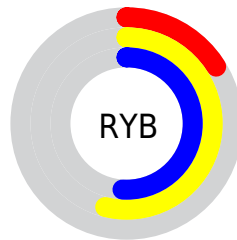
Distribution



Red (19%)

Green (54%)

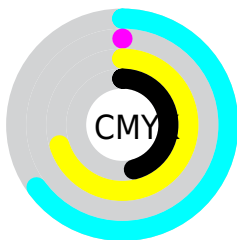
Blue (16%)



Red (16%)

Yellow (54%)

Blue (51%)

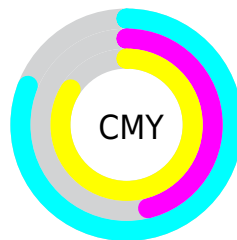


Cyan (65%)

Magenta (0%)

Yellow (70%)

Black (46%)



Cyan (81%)


Magenta (46%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9654, 0.3071, 0.5439 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 18.9654, 0.3071, 0.5439 by changing the saturation by 10% instead.


 18.9654, 0.3071,
0.5439


 18.9654, 0.3071,
0.5439


246.2577, 0.3178,
0.4128


 11.6453, 0.2986,
0.5857


 41.6756, 0.3144,
0.4896


 6.5026, 0.2824,
0.6450


 57.8345, 0.3159,
0.4713


 3.1530, 0.2540,
0.7460

 77.7085, 0.3168,
0.4566

 1.2122, 0.0022,
0.9978

 101.6818, 0.3173,
0.4446

 0.0716, 0.0000,
1.0000

 130.1391, 0.3176,
0.4346

 0.0000, 0.0000,
0.0000

 163.4645, 0.3178,

0.4262

202.0426, 0.3178,
0.4190

■ 18.9654, 0.3071,
0.5439

■ 18.9654, 0.3071,
0.5439

■ 18.6184, 0.3052,
0.5689

■ 19.4377, 0.3088,
0.5135

■ 18.3826, 0.3034,
0.5868

■ 20.0431, 0.3101,
0.4801

■ 18.2415, 0.3022,
0.5983

■ 20.7917, 0.3112,
0.4461

■ 21.6916, 0.3119,
0.4131

■ 22.7506, 0.3124,
0.3823

■ 23.9760, 0.3126,
0.3544

■ 25.3744, 0.3127,
0.3296

■ 26.9522, 0.3127,
0.3079

■ 28.7154, 0.3125,
0.2889

Harmonies

Analogous

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



18.9654, 0.4098, 0.5262



18.9654, 0.3071, 0.5439



18.9654, 0.2109, 0.4530

Triad

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



18.9654, 0.3071, 0.5439



18.9654, 0.1435, 0.1750



18.9654, 0.5044, 0.3015

Complementary

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



18.9654, 0.3071, 0.5439



8.2478, 0.3081, 0.1724

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.



18.9654, 0.4006, 0.2369



18.9654, 0.3071, 0.5439



18.9654, 0.1923, 0.1678

Square

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



18.9654, 0.3071, 0.5439



18.9654, 0.1290, 0.2190



18.9654, 0.2809, 0.1896



18.9654, 0.5372, 0.3741

Rectangle

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



18.9654, 0.3071, 0.5439



18.9654, 0.1648, 0.3589



18.9654, 0.2809, 0.1896



18.9654, 0.4757, 0.2788

Sweetspot

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



18.9662, 0.3071, 0.5439



39.8677, 0.3124, 0.3858



21.5073, 0.4133, 0.4715



8.8396, 0.3123, 0.3928



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.



18.9662, 0.3071, 0.5439



32.5654, 0.3042, 0.5797



19.2495, 0.2757, 0.4613



5.6244, 0.3127, 0.3515



16.7275, 0.3023, 0.5982



0.1131, 0.3128, 0.5899

Inverse Universe

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



8.2478, 0.3081, 0.1724



12.3819, 0.3057, 0.1539



7.8647, 0.4007, 0.2342



5.1109, 0.3127, 0.3074



5.8959, 0.3034, 0.1445



0.0417, 0.3127, 0.1496

Previews

White Background



This preview shows how the Yxy color 18.9654, 0.3071, 0.5439 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 18.9654, 0.3071, 0.5439 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 18.9654, 0.3071, 0.5439

Background



This preview shows how black text looks on a background with the Yxy color 18.9654, 0.3071, 0.5439.



This preview shows how white text looks on a background with the Yxy color 18.9654, 0.3071, 0.5439.

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

18.9654, 0.3071, 0.5439

Protanopia

18.6286, 0.4230, 0.4672

Deuteranopia

18.6545, 0.4389, 0.4312



Tritanopia

18.9423, 0.2472, 0.3085

Trichromacy



Original Color

18.9654, 0.3071, 0.5439

Protanomaly

18.2022, 0.3721, 0.5005

Deuteranomaly

17.8159, 0.3811, 0.4755

Tritanomaly

18.5386, 0.2711, 0.3942

Monochromacy



Original Color

18.9654, 0.3071, 0.5439

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.3485, 0.3113, 0.4127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9654, 0.3071, 0.5439 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(48, 138, 41)` looks like.

```
.text, #text, p{  
    color:rgb(48, 138, 41)  
}
```

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(48, 138, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 138, 41) }
```

Border

The CSS property to change the border of an element to Yxy 18.9654, 0.3071, 0.5439 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(48, 138, 41) }
```

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

```
.border{ border-color:rgb(48, 138, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 138, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 138, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 138, 41);  
box-shadow:4px 4px 4px 4px rgb(48, 138,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9654, 0.3071, 0.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 138, 41) }
```

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

```
.background{ background-color: rgb(48, 138,  
41) }
```

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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