

Converting Colors

$Y_{xy}(19.2101, 0.2811, 0.4743)$

Have a look what the booklet for
Yxy(19.2101, 0.2811, 0.4743)
contains.

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Color

Yxy(19.2124, 0.2809, 0.4738)

Conversions

Conversions Part 1

Format	Color
Hex	2B8A4C
RGB	43, 138, 76
RGB Percent	17%, 54%, 30%
CMY	0.8313, 0.4588, 0.7019
CMYK	0.69, 0.00, 0.45, 0.46
HSL	141°, 52%, 35%
HSV	141°, 69%, 54%
XYZ	11.3904, 19.2124, 9.9468
YIQ	102.5270, -36.7180, -39.4220

Conversions

Conversions Part 2

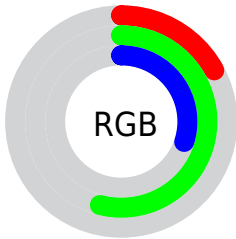
Format	Color
R_{YB}	43, 114, 138
Decimal	2853452
CIE _{Lab}	50.93, -42.00, 25.33
CIE _{LCh}	51, 49.048, 148.907
Yxy	19.2124, 0.2809, 0.4738
Android (android.graphics.Color)	4281043532 (0xFF2B8A4C)
YUV	102.5270, -13.0778, -52.2052
Hunter-Lab	43.8320, -30.3200, 17.2276

Details

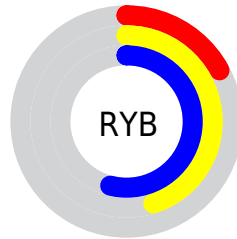
The Yxy color **19.2124, 0.2809, 0.4738** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.1536, 0.3832, 0.2248**, and the grayscale version is **13.4773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9723, 0.2905, 0.4358**, and **6.9101, 0.2819, 0.5347** is the 20% darker color. If you saturate the color by 10%, you get **18.8468, 0.2804, 0.4979**, and if you desaturate by 10%, it is **19.6980, 0.2829, 0.4492**.

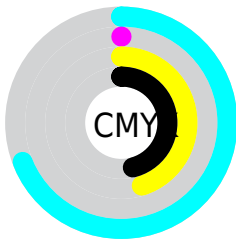
Distribution



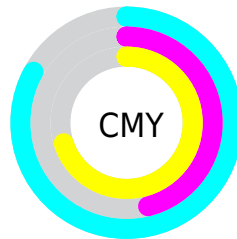
- Red (17%)
- Green (54%)
- Blue (30%)



- Red (17%)
- Yellow (45%)
- Blue (54%)



- Cyan (69%)
- Magenta (0%)
- Yellow (45%)
- Black (46%)





- Cyan (83%)
- Magenta (46%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2124, 0.2809, 0.4738 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 19.2124, 0.2809, 0.4738 by changing the saturation by 10% instead.


 19.2124, 0.2809,
0.4738


 19.2124, 0.2809,
0.4738


247.6188, 0.3022,
0.3854


 11.8239, 0.2725,
0.5035


 42.0927, 0.2905,
0.4366

 6.6238, 0.2590,
0.5477


 58.3532, 0.2935,
0.4243

 3.2280, 0.2352,
0.6202

 78.3399, 0.2958,
0.4145

 1.2519, 0.0910,
0.9090

 102.4371, 0.2976,
0.4065

 0.1035, 0.0000,
1.0000

 131.0292, 0.2991,
0.3999

 0.0000, 0.0000,
0.0000

 164.5006, 0.3003,

0.3943

203.2356, 0.3013,
0.3895

■ 19.2124, 0.2809,
0.4738

■ 19.2124, 0.2809,
0.4738

■ 18.8468, 0.2804,
0.4979

■ 19.6980, 0.2829,
0.4492

■ 18.5876, 0.2817,
0.5206

■ 20.3113, 0.2863,
0.4250

■ 18.4091, 0.2840,
0.5411

■ 21.0617, 0.2907,
0.4020

■ 18.3897, 0.2843,
0.5434

■ 21.9573, 0.2959,
0.3805

■ 23.0054, 0.3016,
0.3608

■ 24.2130, 0.3075,
0.3430

■ 25.5864, 0.3134,
0.3272

■ 27.1317, 0.3193,
0.3132

■ 28.8547, 0.3250,
0.3009

Harmonies

Analogous

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



19.2124, 0.3666, 0.4989



19.2124, 0.2809, 0.4738



19.2124, 0.2086, 0.3837

Triad

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



19.2124, 0.2809, 0.4738



19.2124, 0.1849, 0.1964



19.2124, 0.4824, 0.3348

Complementary

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



19.2124, 0.2809, 0.4738



8.1536, 0.3832, 0.2248

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.



19.2124, 0.4184, 0.2749



19.2124, 0.2809, 0.4738



19.2124, 0.2401, 0.1993

Square

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



19.2124, 0.2809, 0.4738



19.2124, 0.1609, 0.2230



19.2124, 0.3245, 0.2271



19.2124, 0.4887, 0.3994

Rectangle

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



19.2124, 0.2809, 0.4738



19.2124, 0.1775, 0.3159



19.2124, 0.3245, 0.2271



19.2124, 0.4668, 0.3140

Sweetspot

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



19.2132, 0.2809, 0.4738



40.0383, 0.3000, 0.3658



21.4369, 0.3645, 0.5037



8.8812, 0.2987, 0.3703



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.



19.2132, 0.2809, 0.4738



32.9274, 0.2810, 0.5117



20.1007, 0.2459, 0.3632



5.6350, 0.3073, 0.3436



16.8633, 0.2841, 0.5428



0.1146, 0.2611, 0.4598

Inverse Universe

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



8.1536, 0.3832, 0.2248



12.0040, 0.4068, 0.2144



7.4476, 0.4953, 0.3040



5.1000, 0.3186, 0.3148



5.6349, 0.4291, 0.2138



0.0402, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 19.2124, 0.2809, 0.4738 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 19.2124, 0.2809, 0.4738 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 19.2124, 0.2809, 0.4738

Background



This preview shows how black text looks on a background with the Yxy color 19.2124, 0.2809, 0.4738.



This preview shows how white text looks on a background with the Yxy color 19.2124, 0.2809, 0.4738.

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

19.2124, 0.2809, 0.4738

Protanopia

19.0225, 0.3877, 0.4225

Deuteranopia

18.7848, 0.3958, 0.3889



Tritanopia

19.2795, 0.2416, 0.3084

Trichromacy



Original Color

19.2124, 0.2809, 0.4738

Protanomaly

18.3559, 0.3393, 0.4444

Deuteranomaly

17.8562, 0.3426, 0.4202

Tritanomaly

19.2044, 0.2559, 0.3661

Monochromacy



Original Color

19.2124, 0.2809, 0.4738

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.0304, 0.2956, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2124, 0.2809, 0.4738 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(43, 138, 76)` looks like.

```
.text, #text, p{  
    color:rgb(43, 138, 76)  
}
```

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(43, 138, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 138, 76) }
```

Border

The CSS property to change the border of an element to Yxy 19.2124, 0.2809, 0.4738 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(43, 138, 76) }
```

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

```
.border{ border-color:rgb(43, 138, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 138, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 138, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 138, 76);  
box-shadow:4px 4px 4px 4px rgb(43, 138,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2124, 0.2809, 0.4738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 138, 76) }
```

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

```
.background{ background-color: rgb(43, 138,  
76) }
```

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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