

Converting Colors

$Y_{xy}(21.8574, 0.2918, 0.4796)$

Have a look what the booklet for
Yxy(21.8574, 0.2918, 0.4796)
contains.

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Color

Yxy(21.9791, 0.2917, 0.4811)

Conversions

Conversions Part 1

Format	Color
Hex	3A924C
RGB	58, 146, 76
RGB Percent	23%, 57%, 30%
CMY	0.7728, 0.4274, 0.7019
CMYK	0.60, 0.00, 0.48, 0.43
HSL	132°, 43%, 40%
HSV	132°, 60%, 57%
XYZ	13.3263, 21.9791, 10.3797
YIQ	111.7080, -29.9780, -40.4260

Conversions

Conversions Part 2

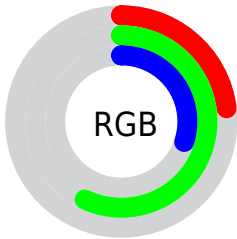
Format	Color
RYB	58, 131, 146
Decimal	3838540
CIELab	54.00, -41.99, 29.33
CIELCh	54, 51.223, 145.062
Yxy	21.9791, 0.2917, 0.4811
Android (android.graphics.Color)	4282028620 (0xFF3A924C)
YUV	111.7080, -17.6040, -47.1019
Hunter-Lab	46.8819, -31.3040, 19.6905

Details

The Yxy color **21.9791, 0.2917, 0.4811** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.6895, 0.3486, 0.2159**, and the grayscale version is **16.1691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8571, 0.2993, 0.4439**, and **8.0941, 0.2850, 0.5461** is the 20% darker color. If you saturate the color by 10%, you get **21.4560, 0.2905, 0.5097**, and if you desaturate by 10%, it is **22.6572, 0.2939, 0.4519**.

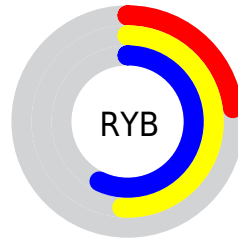
Distribution



Red (23%)

Green (57%)

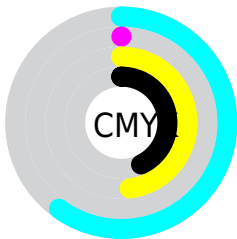
Blue (30%)



Red (23%)

Yellow (51%)

Blue (57%)

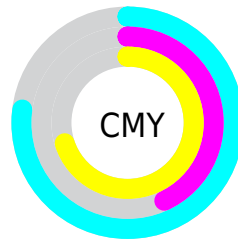


Cyan (60%)

Magenta (0%)

Yellow (48%)

Black (43%)



Cyan (77%)


Magenta (43%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9791, 0.2917, 0.4811 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 21.9791, 0.2917, 0.4811 by changing the saturation by 10% instead.


 21.9791, 0.2917,
0.4811


 21.9791, 0.2917,
0.4811


262.4371, 0.3070,
0.3900


 13.8415, 0.2851,
0.5105


 46.7115, 0.2989,
0.4435


 8.0105, 0.2743,
0.5528


 64.0750, 0.3011,
0.4308


 4.1017, 0.2545,
0.6185

 85.2828, 0.3027,
0.4206

 1.7306, 0.2058,
0.7942

 110.7190, 0.3040,
0.4123

 0.4434, 0.0000,
1.0000

 140.7682, 0.3050,
0.4053

 0.0000, 0.0000,
0.0000

175.8146, 0.3058,

0.3994

216.2428, 0.3064,
0.3944

■ 21.9791, 0.2917,
0.4811

■ 21.9791, 0.2917,
0.4811

■ 21.4560, 0.2905,
0.5097

■ 22.6572, 0.2939,
0.4519

■ 21.0728, 0.2905,
0.5362

■ 23.4986, 0.2970,
0.4233

■ 20.8160, 0.2918,
0.5589

■ 24.5142, 0.3006,
0.3964

■ 20.6535, 0.2935,
0.5765

■ 25.7131, 0.3045,
0.3716

■ 27.1038, 0.3086,
0.3494

■ 28.6944, 0.3126,
0.3296

■ 30.4923, 0.3165,
0.3122

■ 32.5047, 0.3203,
0.2970

■ 34.7384, 0.3238,
0.2838

Harmonies

Analogous

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



21.9791, 0.3773, 0.4966



21.9791, 0.2917, 0.4811



21.9791, 0.2164, 0.3970

Triad

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



21.9791, 0.2917, 0.4811



21.9791, 0.1802, 0.1982



21.9791, 0.4770, 0.3267

Complementary

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



21.9791, 0.2917, 0.4811



10.6895, 0.3486, 0.2159

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.



21.9791, 0.4070, 0.2680



21.9791, 0.2917, 0.4811



21.9791, 0.2314, 0.1976

Square

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



21.9791, 0.2917, 0.4811



21.9791, 0.1602, 0.2291



21.9791, 0.3125, 0.2224



21.9791, 0.4909, 0.3910

Rectangle

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



21.9791, 0.2917, 0.4811



21.9791, 0.1824, 0.3283



21.9791, 0.3125, 0.2224



21.9791, 0.4589, 0.3062

Sweetspot

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



21.9800, 0.2917, 0.4811



45.8066, 0.3053, 0.3671



25.4849, 0.3750, 0.4777



10.0555, 0.3042, 0.3732



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.9800, 0.2917, 0.4811



37.6084, 0.2904, 0.5184



22.8041, 0.2590, 0.3838



6.4867, 0.3090, 0.3471



18.1760, 0.2933, 0.5758



0.2260, 0.2743, 0.5074

Inverse Universe

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



10.6895, 0.3486, 0.2159



15.8789, 0.3589, 0.1993



9.7784, 0.4365, 0.2849



5.8890, 0.3167, 0.3116



6.4916, 0.3791, 0.1862



0.0836, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 21.9791, 0.2917, 0.4811 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 21.9791, 0.2917, 0.4811 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 21.9791, 0.2917, 0.4811

Background



This preview shows how black text looks on a background with the Yxy color 21.9791, 0.2917, 0.4811.



This preview shows how white text looks on a background with the Yxy color 21.9791, 0.2917, 0.4811.

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

21.9791, 0.2917, 0.4811

Protanopia

21.5433, 0.3941, 0.4286

Deuteranopia

21.7437, 0.4031, 0.3962



Tritanopia

21.9666, 0.2474, 0.3078

Trichromacy



Original Color

21.9791, 0.2917, 0.4811

Protanomaly

21.1753, 0.3493, 0.4513

Deuteranomaly

20.8049, 0.3547, 0.4263

Tritanomaly

21.7945, 0.2640, 0.3680

Monochromacy



Original Color

21.9791, 0.2917, 0.4811

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.5915, 0.3020, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9791, 0.2917, 0.4811 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(58, 146, 76)` looks like.

```
.text, #text, p{  
    color:rgb(58, 146, 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(58, 146, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 146, 76) }
```

Border

The CSS property to change the border of an element to Yxy 21.9791, 0.2917, 0.4811 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(58, 146, 76) }
```

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

```
.border{ border-color:rgb(58, 146, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 146, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 146, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 146, 76);  
box-shadow:4px 4px 4px 4px rgb(58, 146,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9791, 0.2917, 0.4811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 146, 76) }
```

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

```
.background{ background-color: rgb(58, 146,  
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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