

Converting Colors

Yxy(44.8694, 0.2996, 0.4917)

Have a look what the booklet for
Yxy(44.8694, 0.2996, 0.4917)
contains.

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Color

Yxy(44.8478, 0.2999, 0.4916)

Conversions

Conversions Part 1

Format	Color
Hex	5AC963
RGB	90, 201, 99
RGB Percent	35%, 79%, 39%
CMY	0.6468, 0.2118, 0.6117
CMYK	0.55, 0.00, 0.51, 0.21
HSL	125°, 51%, 57%
HSV	125°, 55%, 79%
XYZ	27.3593, 44.8478, 19.0211
YIQ	156.1830, -33.4140, -55.2540

Conversions

Conversions Part 2

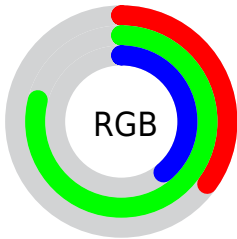
Format	Color
RYB	90, 193, 201
Decimal	5949795
CIELab	72.79, -52.59, 41.29
CIELCh	73, 66.857, 141.865
Yxy	44.8478, 0.2999, 0.4916
Android (android.graphics.Color)	4284139875 (0xFF5AC963)
YUV	156.1830, -28.1912, -58.0425
Hunter-Lab	66.9685, -44.2704, 30.0378

Details

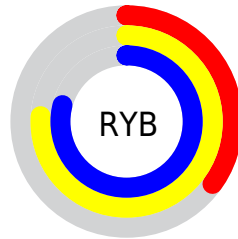
The Yxy color **44.8478, 0.2999, 0.4916** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **23.5460, 0.3290, 0.2078**, and the grayscale version is **33.4784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0829, 0.3047, 0.4549**, and **20.8903, 0.2892, 0.5471** is the 20% darker color. If you saturate the color by 10%, you get **43.6597, 0.2985, 0.5238**, and if you desaturate by 10%, it is **46.3930, 0.3019, 0.4580**.

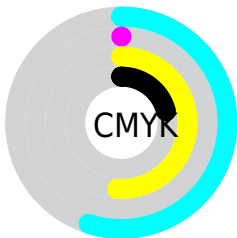
Distribution



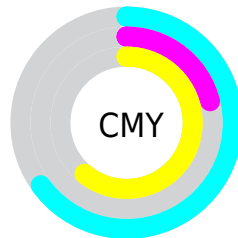
- Red (35%)
- Green (79%)
- Blue (39%)



- Red (35%)
- Yellow (76%)
- Blue (79%)



- Cyan (55%)
- Magenta (0%)
- Yellow (51%)
- Black (21%)





- Cyan (65%)
- Magenta (21%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8478, 0.2999, 0.4916 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 44.8478, 0.2999, 0.4916 by changing the saturation by 10% instead.

 44.8478, 0.2999,
0.4916

 44.8478, 0.2999,
0.4916


366.1568, 0.3105,
0.4038

 31.3376, 0.2956,
0.5152


 82.4920, 0.3049,
0.4584

 20.8560, 0.2890,
0.5462


 107.3947, 0.3064,
0.4463

 13.0188, 0.2783,
0.5883


 136.8637, 0.3076,
0.4362

 7.4415, 0.2595,
0.6474

 171.2834, 0.3085,
0.4277

 3.7397, 0.2344,
0.7656

211.0381, 0.3091,
0.4204

 1.5291, 0.0391,
0.9609

256.5124, 0.3097,

 0.3090, 0.0000,

0.4141

1.0000

308.0905, 0.3101,
0.4087

■ 0.0000, 0.0000,
0.0000

■ 44.8478, 0.2999,
0.4916

■ 44.8478, 0.2999,
0.4916

■ 43.6597, 0.2985,
0.5238

■ 46.3930, 0.3019,
0.4580

■ 42.7951, 0.2977,
0.5524

■ 48.3147, 0.3041,
0.4250

■ 42.2233, 0.2977,
0.5751

■ 50.6376, 0.3066,
0.3941

■ 41.9052, 0.2984,
0.5903

■ 53.3828, 0.3091,
0.3659

■ 41.8104, 0.2986,
0.5951

■ 56.5697, 0.3115,
0.3408

■ 60.2166, 0.3138,
0.3188

■ 64.3408, 0.3159,
0.2997

■ 68.9586, 0.3179,
0.2833

■ 70.2523, 0.3152,
0.2762

Harmonies

Analogous

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



44.8478, 0.3873, 0.4986



44.8478, 0.2999, 0.4916



44.8478, 0.2207, 0.4104

Triad

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



44.8478, 0.2999, 0.4916



44.8478, 0.1735, 0.1968



44.8478, 0.4764, 0.3194

Complementary

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



44.8478, 0.2999, 0.4916



23.5460, 0.3290, 0.2078

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.



44.8478, 0.3997, 0.2606



44.8478, 0.2999, 0.4916



44.8478, 0.2221, 0.1934

Square

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



44.8478, 0.2999, 0.4916



44.8478, 0.1564, 0.2317



44.8478, 0.3022, 0.2161



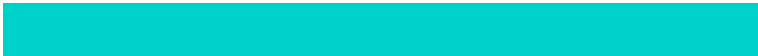
44.8478, 0.4970, 0.3845

Rectangle

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



44.8478, 0.2999, 0.4916



44.8478, 0.1835, 0.3389



44.8478, 0.3022, 0.2161



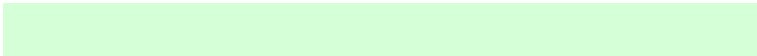
44.8478, 0.4559, 0.2988

Sweetspot

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



44.8497, 0.2999, 0.4916



90.3791, 0.3086, 0.3714



53.9280, 0.3851, 0.4628



19.1337, 0.3081, 0.3770



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.8497, 0.2999, 0.4916



74.4575, 0.2983, 0.5291



46.2459, 0.2694, 0.4039



11.9015, 0.3105, 0.3509



26.2950, 0.2983, 0.5940



1.2500, 0.2928, 0.5739

Inverse Universe

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



23.5460, 0.3290, 0.2078



34.4033, 0.3328, 0.1891



21.5772, 0.4019, 0.2681



10.8013, 0.3150, 0.3080



10.0104, 0.3421, 0.1658



0.4785, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 44.8478, 0.2999, 0.4916 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 44.8478, 0.2999, 0.4916 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8478, 0.2999, 0.4916

Background



This preview shows how black text looks on a background with the Yxy color 44.8478, 0.2999, 0.4916.



This preview shows how white text looks on a background with the Yxy color 44.8478, 0.2999, 0.4916.

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

44.8478, 0.2999, 0.4916

Protanopia

44.3319, 0.4008, 0.4380

Deuteranopia

43.8845, 0.4125, 0.4035



Tritanopia

44.4478, 0.2500, 0.3062

Trichromacy



Original Color

44.8478, 0.2999, 0.4916



Protanomaly

43.0941, 0.3573, 0.4598



Deuteranomaly

42.5933, 0.3646, 0.4362



Tritanomaly

43.9573, 0.2686, 0.3702

Monochromacy



Original Color

44.8478, 0.2999, 0.4916



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.1599, 0.3073, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8478, 0.2999, 0.4916 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(90, 201, 99)` looks like.

```
.text, #text, p{  
    color:rgb(90, 201, 99)  
}
```

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(90, 201, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 201, 99) }
```

Border

The CSS property to change the border of an element to Yxy 44.8478, 0.2999, 0.4916 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(90, 201, 99) }
```

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

```
.border{ border-color:rgb(90, 201, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 201, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 201, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 201, 99);  
box-shadow:4px 4px 4px 4px rgb(90, 201,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8478, 0.2999, 0.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 201, 99) }
```

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

```
.background{ background-color: rgb(90, 201,  
99) }
```

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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