

Converting Colors

$Yxy(46.4087, 0.2956, 0.4825)$

Have a look what the booklet for
Yxy(46.4087, 0.2956, 0.4825)
contains.

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Color

Yxy(46.4209, 0.2957, 0.4823)

Conversions

Conversions Part 1

Format	Color
Hex	5ACC6B
RGB	90, 204, 107
RGB Percent	35%, 80%, 42%
CMY	0.6472, 0.2000, 0.5804
CMYK	0.56, 0.00, 0.48, 0.20
HSL	129°, 53%, 58%
HSV	129°, 56%, 80%
XYZ	28.4608, 46.4209, 21.3673
YIQ	158.8560, -36.8070, -54.3350

Conversions

Conversions Part 2

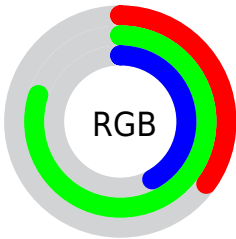
Format	Color
RYB	90, 189, 204
Decimal	5950571
CIELab	73.82, -52.64, 38.64
CIELCh	74, 65.295, 143.722
Yxy	46.4209, 0.2957, 0.4823
Android (android.graphics.Color)	4284140651 (0xFF5ACC6B)
YUV	158.8560, -25.5650, -60.3867
Hunter-Lab	68.1329, -44.6686, 29.0990

Details

The Yxy color **46.4209, 0.2957, 0.4823** 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 **23.7338, 0.3385, 0.2141**, and the grayscale version is **34.7309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4476, 0.3013, 0.4448**, and **21.9005, 0.2848, 0.5331** is the 20% darker color. If you saturate the color by 10%, you get **45.2074, 0.2943, 0.5133**, and if you desaturate by 10%, it is **47.9923, 0.2980, 0.4506**.

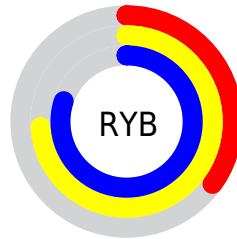
Distribution



Red (35%)

Green (80%)

Blue (42%)



Red (35%)

Yellow (74%)

Blue (80%)

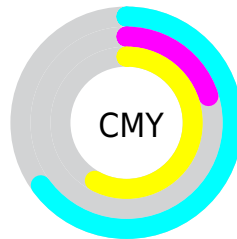


Cyan (56%)

Magenta (0%)

Yellow (48%)

Black (20%)



Cyan (65%)


Magenta (20%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4209, 0.2957, 0.4823 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 46.4209, 0.2957, 0.4823 by changing the saturation by 10% instead.

 46.4209, 0.2957,
0.4823


 46.4209, 0.2957,
0.4823


372.4982, 0.3079,
0.4000


 32.5781, 0.2913,
0.5044


 84.8486, 0.3011,
0.4512


 21.8034, 0.2848,
0.5334


 110.2022, 0.3028,
0.4398

 13.7125, 0.2745,
0.5729

 140.1616, 0.3042,
0.4304

 7.9210, 0.2571,
0.6289

 175.1111, 0.3052,
0.4224

 4.0444, 0.2331,
0.7360

215.4351, 0.3061,
0.4156

 1.6985, 0.0905,
0.9095

261.5180, 0.3068,

 0.4227, 0.0000,

0.4097

1.0000

313.7443, 0.3074,
0.4045

0.0000, 0.0000,
0.0000

46.4209, 0.2957,
0.4823

46.4209, 0.2957,
0.4823

45.2074, 0.2943,
0.5133

47.9923, 0.2980,
0.4506

44.3179, 0.2939,
0.5416

49.9406, 0.3008,
0.4198

43.7221, 0.2945,
0.5653


52.2906, 0.3040,
0.3910


43.3802, 0.2961,
0.5828


55.0631, 0.3074,
0.3648


43.2851, 0.2967,
0.5883

58.2776, 0.3108,
0.3415

 61.9521, 0.3140,
0.3209

 66.1041, 0.3172,
0.3030

 70.7497, 0.3201,
0.2875

 71.6690, 0.3151,
0.2792

Harmonies

Analogous

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



46.4209, 0.3808, 0.4946



46.4209, 0.2957, 0.4823



46.4209, 0.2198, 0.4011

Triad

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



46.4209, 0.2957, 0.4823



46.4209, 0.1794, 0.1996



46.4209, 0.4739, 0.3241

Complementary

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



46.4209, 0.2957, 0.4823



23.7338, 0.3385, 0.2141

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.



46.4209, 0.4025, 0.2660



46.4209, 0.2957, 0.4823



46.4209, 0.2289, 0.1978

Square

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



46.4209, 0.2957, 0.4823



46.4209, 0.1608, 0.2319



46.4209, 0.3084, 0.2214



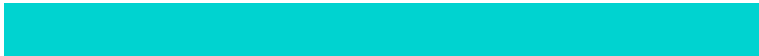
46.4209, 0.4905, 0.3880

Rectangle

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



46.4209, 0.2957, 0.4823



46.4209, 0.1849, 0.3328



46.4209, 0.3084, 0.2214



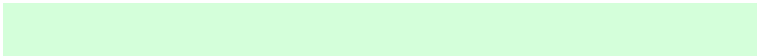
46.4209, 0.4551, 0.3038

Sweetspot

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



46.4228, 0.2957, 0.4823



90.5333, 0.3069, 0.3681



54.7204, 0.3793, 0.4677



19.1696, 0.3062, 0.3733



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.



46.4228, 0.2957, 0.4823



74.5299, 0.2941, 0.5191



47.9770, 0.2648, 0.3928



12.5638, 0.3096, 0.3493



27.2507, 0.2963, 0.5866



1.4148, 0.2877, 0.5558

Inverse Universe

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



23.7338, 0.3385, 0.2141



33.3092, 0.3454, 0.1962



21.8065, 0.4153, 0.2769



11.3738, 0.3160, 0.3095



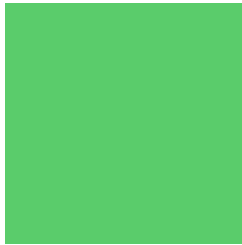
10.0035, 0.3623, 0.1769



0.5241, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 46.4209, 0.2957, 0.4823 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 46.4209, 0.2957, 0.4823 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 46.4209, 0.2957, 0.4823

Background



This preview shows how black text looks on a background with the Yxy color 46.4209, 0.2957, 0.4823.



This preview shows how white text looks on a background with the Yxy color 46.4209, 0.2957, 0.4823.

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

46.4209, 0.2957, 0.4823

Protanopia

45.5301, 0.3964, 0.4316

Deuteranopia

45.4946, 0.4058, 0.3973



Tritanopia

46.3388, 0.2493, 0.3079

Trichromacy



Original Color

46.4209, 0.2957, 0.4823



Protanomaly

44.7057, 0.3532, 0.4532



Deuteranomaly

44.1088, 0.3583, 0.4288



Tritanomaly

45.9370, 0.2664, 0.3680

Monochromacy



Original Color

46.4209, 0.2957, 0.4823



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.6217, 0.3050, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4209, 0.2957, 0.4823 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, 204, 107)` looks like.

```
.text, #text, p{  
    color:rgb(90, 204, 107)  
}
```

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, 204, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 204, 107) }
```

Border

The CSS property to change the border of an element to Yxy 46.4209, 0.2957, 0.4823 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, 204, 107) }
```

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

```
.border{ border-color:rgb(90, 204, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 204, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 204, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 204, 107);  
box-shadow:4px 4px 4px 4px rgb(90, 204,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4209, 0.2957, 0.4823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 204, 107) }
```

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

```
.background{ background-color: rgb(90, 204,  
107) }
```

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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