

Converting Colors

Yxy(46.4609, 0.3118, 0.4836)

Have a look what the booklet for
Yxy(46.4609, 0.3118, 0.4836)
contains.

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Color

Yxy(46.5602, 0.3118, 0.4835)

Conversions

Conversions Part 1

Format	Color
Hex	6FCA65
RGB	111, 202, 101
RGB Percent	44%, 79%, 40%
CMY	0.5646, 0.2078, 0.6040
CMYK	0.45, 0.00, 0.50, 0.21
HSL	114°, 49%, 59%
HSV	114°, 50%, 79%
XYZ	30.0258, 46.5602, 19.7123
YIQ	163.2770, -21.8150, -50.7030

Conversions

Conversions Part 2

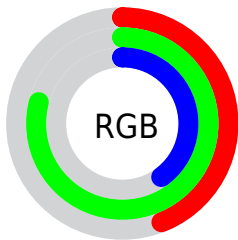
Format	Color
RYB	101, 202, 192
Decimal	7326309
CIELab	73.91, -47.00, 41.87
CIELCh	74, 62.948, 138.304
Yxy	46.5602, 0.3118, 0.4835
Android (android.graphics.Color)	4285516389 (0xFF6FCA65)
YUV	163.2770, -30.7026, -45.8469
Hunter-Lab	68.2350, -40.8651, 30.6364

Details

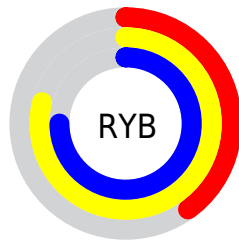
The Yxy color **46.5602, 0.3118, 0.4835** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.7722, 0.3074, 0.2055**, and the grayscale version is **36.9212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0686, 0.3144, 0.4485**, and **21.8546, 0.3050, 0.5342** is the 20% darker color. If you saturate the color by 10%, you get **45.1510, 0.3104, 0.5173**, and if you desaturate by 10%, it is **48.3110, 0.3127, 0.4487**.

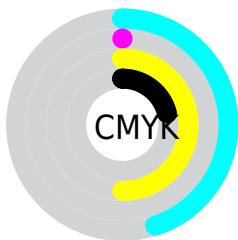
Distribution



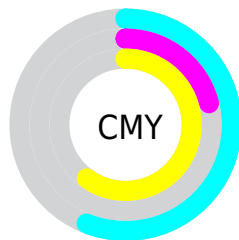
- Red (44%)
- Green (79%)
- Blue (40%)



- Red (40%)
- Yellow (79%)
- Blue (75%)



- Cyan (45%)
- Magenta (0%)
- Yellow (50%)
- Black (21%)




- Cyan (56%)
- Magenta (21%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5602, 0.3118, 0.4835 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 46.5602, 0.3118, 0.4835 by changing the saturation by 10% instead.

 46.5602, 0.3118,
0.4835


 46.5602, 0.3118,
0.4835

373.0563, 0.3161,
0.4012

 32.6881, 0.3092,
0.5052


 85.0568, 0.3144,
0.4526


 21.8876, 0.3049,
0.5336


 110.4500, 0.3151,
0.4413

 13.7744, 0.2974,
0.5717

 140.4525, 0.3155,
0.4318

 7.9639, 0.2834,
0.6246

 175.4485, 0.3158,
0.4238

 4.0719, 0.2673,
0.7327

215.8225, 0.3159,
0.4169

 1.7138, 0.1557,
0.8443

261.9589, 0.3160,

 0.4326, 0.0000,

0.4110

1.0000

314.2420, 0.3161,
0.4058

■ 0.0000, 0.0000,
0.0000

■ 46.5602, 0.3118,
0.4835

■ 46.5602, 0.3118,
0.4835

■ 45.1510, 0.3104,
0.5173

■ 48.3110, 0.3127,
0.4487

■ 44.0556, 0.3086,
0.5477

■ 50.4175, 0.3131,
0.4148

■ 43.2514, 0.3065,
0.5722


■ 52.9001, 0.3132,
0.3831


■ 42.7101, 0.3042,
0.5889

■ 55.7760, 0.3131,
0.3545

■ 42.3916, 0.3022,
0.5983

■ 59.0611, 0.3127,
0.3290

 62.7708, 0.3122,
0.3067

 66.9194, 0.3117,
0.2873

 70.7224, 0.3151,
0.2772

Harmonies

Analogous

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



46.5602, 0.3934, 0.4843



46.5602, 0.3118, 0.4835



46.5602, 0.2349, 0.4155

Triad

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



46.5602, 0.3118, 0.4835



46.5602, 0.1779, 0.2069



46.5602, 0.4589, 0.3140

Complementary

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



46.5602, 0.3118, 0.4835



24.7722, 0.3074, 0.2055

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.



46.5602, 0.3834, 0.2590



46.5602, 0.3118, 0.4835



46.5602, 0.2207, 0.2000

Square

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



46.5602, 0.3118, 0.4835



46.5602, 0.1651, 0.2448



46.5602, 0.2931, 0.2188



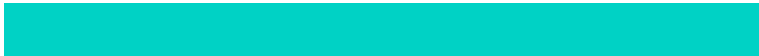
46.5602, 0.4859, 0.3757

Rectangle

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



46.5602, 0.3118, 0.4835



46.5602, 0.1969, 0.3504



46.5602, 0.2931, 0.2188



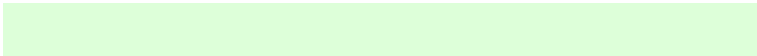
46.5602, 0.4379, 0.2946

Sweetspot

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



46.5622, 0.3118, 0.4835



91.8179, 0.3132, 0.3690



51.1521, 0.3910, 0.4392



19.4341, 0.3132, 0.3752



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.



46.5622, 0.3118, 0.4835



76.2744, 0.3103, 0.5200



46.9431, 0.2821, 0.4228



12.5893, 0.3131, 0.3528



27.2958, 0.3026, 0.5980



1.4268, 0.3105, 0.5917

Inverse Universe

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



24.7722, 0.3074, 0.2055



35.2149, 0.3053, 0.1832



24.4560, 0.3667, 0.2527



11.3450, 0.3122, 0.3061



9.1613, 0.2962, 0.1406



0.4894, 0.3014, 0.1434

Previews

White Background



This preview shows how the Yxy color 46.5602, 0.3118, 0.4835 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 46.5602, 0.3118, 0.4835 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 46.5602, 0.3118, 0.4835

Background



This preview shows how black text looks on a background with the Yxy color 46.5602, 0.3118, 0.4835.



This preview shows how white text looks on a background with the Yxy color 46.5602, 0.3118, 0.4835.

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

46.5602, 0.3118, 0.4835

Protanopia

45.9980, 0.3996, 0.4366

Deuteranopia

45.6478, 0.4135, 0.4045



Tritanopia

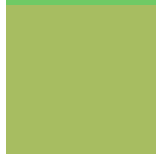
46.1887, 0.2596, 0.3069

Trichromacy



Original Color

46.5602, 0.3118, 0.4835



Protanomaly

45.4737, 0.3631, 0.4550



Deuteranomaly

44.5902, 0.3724, 0.4336



Tritanomaly

45.6958, 0.2787, 0.3673

Monochromacy



Original Color

46.5602, 0.3118, 0.4835



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.2670, 0.3135, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5602, 0.3118, 0.4835 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(111, 202, 101)` looks like.

```
.text, #text, p{  
    color:rgb(111, 202, 101)  
}
```

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(111, 202, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 202, 101) }
```

Border

The CSS property to change the border of an element to Yxy 46.5602, 0.3118, 0.4835 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(111, 202, 101) }
```

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

```
.border{ border-color:rgb(111, 202, 101) }
```

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

Here you see how a box with a 4 pixel rgb(111, 202, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 202, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 202, 101);  
box-shadow:4px 4px 4px 4px rgb(111, 202,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5602, 0.3118, 0.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 202, 101) }
```

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

```
.background{ background-color: rgb(111,  
202, 101) }
```

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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