

Converting Colors

$Y_{xy}(46.5484, 0.3076, 0.4712)$

Have a look what the booklet for
Yxy(46.5484, 0.3076, 0.4712)
contains.

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Color

Yxy(46.7247, 0.3073, 0.4718)

Conversions

Conversions Part 1

Format	Color
Hex	6FCA6D
RGB	111, 202, 109
RGB Percent	44%, 79%, 43%
CMY	0.5648, 0.2078, 0.5726
CMYK	0.45, 0.00, 0.46, 0.21
HSL	119°, 47%, 61%
HSV	119°, 46%, 79%
XYZ	30.4334, 46.7247, 21.8768
YIQ	164.1890, -24.3830, -48.2150

Conversions

Conversions Part 2

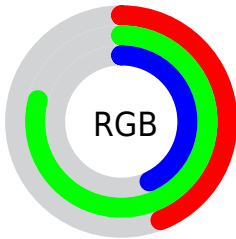
Format	Color
RYB	109, 202, 200
Decimal	7326317
CIELab	74.01, -45.92, 38.06
CIElCh	74, 59.643, 140.353
Yxy	46.7247, 0.3073, 0.4718
Android (android.graphics.Color)	4285516397 (0xFF6FCA6D)
YUV	164.1890, -27.2082, -46.6468
Hunter-Lab	68.3555, -40.1497, 28.8734

Details

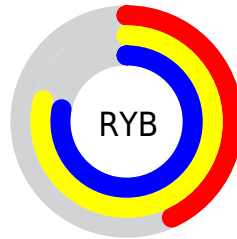
The Yxy color **46.7247, 0.3073, 0.4718** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.4788, 0.3158, 0.2172**, and the grayscale version is **37.3576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3441, 0.3104, 0.4390**, and **21.9675, 0.3004, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **45.1973, 0.3057, 0.5070**, and if you desaturate by 10%, it is **48.6397, 0.3088, 0.4364**.

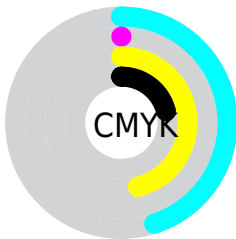
Distribution



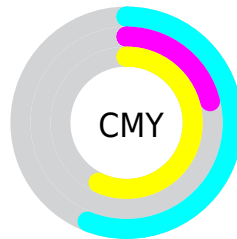
- Red (44%)
- Green (79%)
- Blue (43%)



- Red (43%)
- Yellow (79%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (46%)
- Black (21%)



- Cyan (56%)
- Magenta (21%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7247, 0.3073, 0.4718 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 46.7247, 0.3073, 0.4718 by changing the saturation by 10% instead.


 46.7247, 0.3073,
0.4718

 46.7247, 0.3073,
0.4718


373.7146, 0.3132,
0.3957


 32.8181, 0.3046,
0.4920


 85.3025, 0.3103,
0.4432

 21.9871, 0.3003,
0.5185


 110.7425, 0.3112,
0.4327

 13.8474, 0.2931,
0.5543


 140.7958, 0.3118,
0.4240

 8.0146, 0.2802,
0.6049

 175.8467, 0.3123,
0.4166

 4.1043, 0.2621,
0.6981

216.2796, 0.3126,
0.4103

 1.7321, 0.1695,
0.8305

262.4790, 0.3129,

 0.4443, 0.0000,

0.4048

1.0000

314.8292, 0.3131,
0.4000

■ 0.0000, 0.0000,
0.0000

■ 46.7247, 0.3073,
0.4718

■ 46.7247, 0.3073,
0.4718

■ 45.1973, 0.3057,
0.5070

■ 48.6397, 0.3088,
0.4364

■ 44.0257, 0.3041,
0.5396

■ 50.9598, 0.3101,
0.4026

■ 43.1829, 0.3027,
0.5667

■ 53.7087, 0.3112,
0.3717

■ 42.6351, 0.3014,
0.5861


■ 56.9063, 0.3122,
0.3441

■ 42.3415, 0.3005,
0.5969

■ 60.5716, 0.3130,
0.3198

 42.2728, 0.3004,
0.5997

 64.7223, 0.3137,
0.2989

 69.3751, 0.3142,
0.2808

 70.7248, 0.3151,
0.2772

Harmonies

Analogous

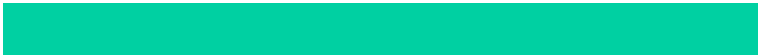
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.7247, 0.3855, 0.4782



46.7247, 0.3073, 0.4718



46.7247, 0.2348, 0.4045

Triad

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



46.7247, 0.3073, 0.4718



46.7247, 0.1857, 0.2113



46.7247, 0.4546, 0.3193

Complementary

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



46.7247, 0.3073, 0.4718



27.4788, 0.3158, 0.2172

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.



46.7247, 0.3856, 0.2656



46.7247, 0.3073, 0.4718



46.7247, 0.2290, 0.2061

Square

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



46.7247, 0.3073, 0.4718



46.7247, 0.1715, 0.2459



46.7247, 0.3000, 0.2256



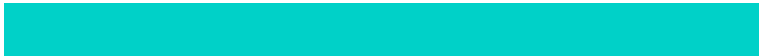
46.7247, 0.4770, 0.3790

Rectangle

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



46.7247, 0.3073, 0.4718



46.7247, 0.1996, 0.3435



46.7247, 0.3000, 0.2256



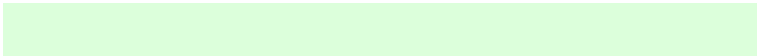
46.7247, 0.4357, 0.3004

Sweetspot

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



46.7267, 0.3073, 0.4718



91.8763, 0.3114, 0.3663



54.4655, 0.3818, 0.4376



19.4272, 0.3112, 0.3726



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.



46.7267, 0.3073, 0.4718



76.5869, 0.3058, 0.5060



47.7748, 0.2801, 0.4040



12.5482, 0.3119, 0.3529



27.2046, 0.3005, 0.5996



1.4076, 0.3023, 0.5982

Inverse Universe

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



27.4788, 0.3158, 0.2172



40.1179, 0.3161, 0.1973



25.9802, 0.3687, 0.2658



11.3910, 0.3134, 0.3061



10.4454, 0.3156, 0.1512



0.5429, 0.3167, 0.1518

Previews

White Background



This preview shows how the Yxy color 46.7247, 0.3073, 0.4718 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 46.7247, 0.3073, 0.4718 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 46.7247, 0.3073, 0.4718

Background



This preview shows how black text looks on a background with the Yxy color 46.7247, 0.3073, 0.4718.

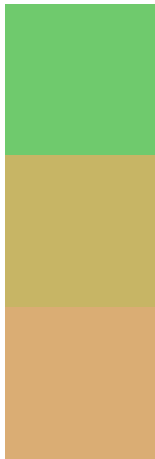


This preview shows how white text looks on a background with the Yxy color 46.7247, 0.3073, 0.4718.

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

46.7247, 0.3073, 0.4718

Protanopia

46.1294, 0.3945, 0.4290

Deuteranopia

46.0535, 0.4053, 0.3970



Tritanopia

46.5431, 0.2592, 0.3083

Trichromacy



Original Color

46.7247, 0.3073, 0.4718



Protanomaly

45.6102, 0.3584, 0.4462



Deuteranomaly

45.0569, 0.3650, 0.4249



Tritanomaly

46.2556, 0.2769, 0.3641

Monochromacy



Original Color

46.7247, 0.3073, 0.4718



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.8741, 0.3112, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7247, 0.3073, 0.4718 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(111, 202, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 202, 109) }
```

Border

The CSS property to change the border of an element to Yxy 46.7247, 0.3073, 0.4718 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, 109) }
```

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

```
.border{ border-color:rgb(111, 202, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 202, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 202, 109); box-shadow:4px 4px 4px 4px rgb(111, 202, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7247, 0.3073, 0.4718 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, 109) }
```

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

```
.background{ background-color: rgb(111,  
202, 109) }
```

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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