

# Converting Colors

$Yxy(46.0441, 0.3009, 0.4528)$

Have a look what the booklet for  
Yxy(46.0441, 0.3009, 0.4528)  
contains.

<b>Yxy(46.0441, 0.3009, 0.4528)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(46.0441, 0.3009, 0.4528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FC878
RGB	111, 200, 120
RGB Percent	44%, 78%, 47%
CMY	0.5648, 0.2157, 0.5294
CMYK	0.45, 0.00, 0.40, 0.22
HSL	126°, 45%, 61%
HSV	126°, 45%, 78%
XYZ	30.5978, 46.0441, 25.0456
YIQ	164.2690, -27.3640, -43.7480

# Conversions

## Conversions Part 2

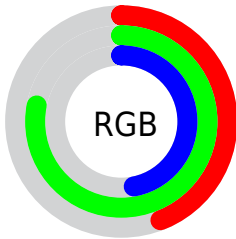
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 192, 200
Decimal	7325816
CIELab	73.57, -43.42, 31.90
CIELCh	74, 53.873, 143.698
Yxy	46.0441, 0.3009, 0.4528
Android (android.graphics.Color)	4285515896 (0xFF6FC878)
YUV	164.2690, -21.8246, -46.7169
Hunter-Lab	67.8558, -38.2578, 25.6151

# Details

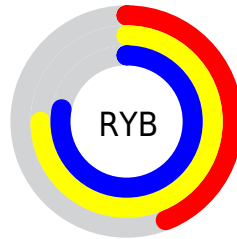
The Yxy color **46.0441, 0.3009, 0.4528** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.4042, 0.3274, 0.2306**, and the grayscale version is **37.3732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7526, 0.3048, 0.4257**, and **21.5052, 0.2938, 0.4934** is the 20% darker color. If you saturate the color by 10%, you get **44.4948, 0.2988, 0.4858**, and if you desaturate by 10%, it is **47.9696, 0.3034, 0.4206**.

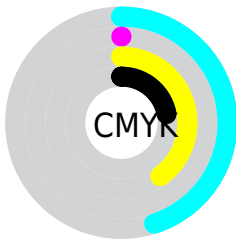
# Distribution



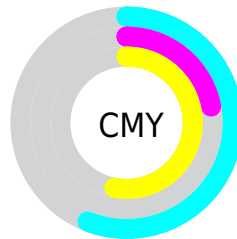
- Red (44%)
- Green (78%)
- Blue (47%)



- Red (44%)
- Yellow (75%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (40%)
- Black (22%)




- Cyan (56%)
- Magenta (22%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0441, 0.3009, 0.4528 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 46.0441, 0.3009, 0.4528 by changing the saturation by 10% instead.





 46.0441, 0.3009,  
0.4528


 46.0441, 0.3009,  
0.4528

370.9859, 0.3092,  
0.3868

 32.2806, 0.2979,  
0.4705


 84.2850, 0.3045,  
0.4279

 21.5759, 0.2936,  
0.4938


 109.5312, 0.3057,  
0.4188

 13.5456, 0.2867,  
0.5257


 139.3738, 0.3066,  
0.4113

 7.8053, 0.2749,  
0.5717

174.1971, 0.3074,  
0.4049

 3.9706, 0.2544,  
0.6461

214.3856, 0.3080,  
0.3994

 1.6572, 0.1819,  
0.8181

260.3236, 0.3085,

 0.3957, 0.0000,

0.3946

1.0000

312.3956, 0.3089,  
0.3905

■ 0.0000, 0.0000,  
0.0000

■ 46.0441, 0.3009,  
0.4528

■ 46.0441, 0.3009,  
0.4528

■ 44.4948, 0.2988,  
0.4858

■ 47.9696, 0.3034,  
0.4206

■ 43.2916, 0.2973,  
0.5179

■ 50.2876, 0.3061,  
0.3906

■ 42.4094, 0.2966,  
0.5468


■ 53.0202, 0.3088,  
0.3632

■ 41.8172, 0.2968,  
0.5704


■ 56.1864, 0.3115,  
0.3390


■ 41.4774, 0.2977,  
0.5871

■ 59.8040, 0.3141,  
0.3177

 41.3635, 0.2982,  
0.5933

 63.8897, 0.3165,  
0.2992

 68.4595, 0.3188,  
0.2833

 69.7919, 0.3152,  
0.2752

# Harmonies

## Analogous

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



46.0441, 0.3731, 0.4667



46.0441, 0.3009, 0.4528



46.0441, 0.2358, 0.3882

# Triad

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



46.0441, 0.3009, 0.4528



46.0441, 0.1987, 0.2190



46.0441, 0.4462, 0.3273

# Complementary

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



46.0441, 0.3009, 0.4528



27.4042, 0.3274, 0.2306

# 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.



46.0441, 0.3874, 0.2761



46.0441, 0.3009, 0.4528



46.0441, 0.2423, 0.2164

# Square

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



46.0441, 0.3009, 0.4528



46.0441, 0.1824, 0.2486



46.0441, 0.3100, 0.2369



46.0441, 0.4620, 0.3831

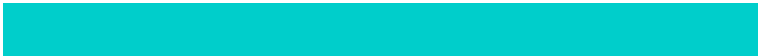


# Rectangle

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



46.0441, 0.3009, 0.4528



46.0441, 0.2050, 0.3338



46.0441, 0.3100, 0.2369



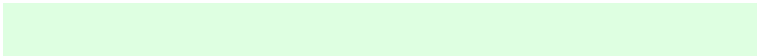
46.0441, 0.4306, 0.3094

# Sweetspot

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



46.0460, 0.3009, 0.4528



92.4738, 0.3092, 0.3598



53.5489, 0.3704, 0.4404



19.5480, 0.3086, 0.3656



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.



46.0460, 0.3009, 0.4528



77.2114, 0.2990, 0.4833



47.3844, 0.2738, 0.3821



11.9051, 0.3102, 0.3504



26.3046, 0.2978, 0.5921



1.2516, 0.2910, 0.5676



# Inverse Universe

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



27.4042, 0.3274, 0.2306



41.0250, 0.3311, 0.2127



25.7374, 0.3815, 0.2827



10.7974, 0.3153, 0.3085



9.9031, 0.3480, 0.1690



0.4744, 0.3416, 0.1656



# Previews

## White Background



This preview shows how the Yxy color 46.0441, 0.3009, 0.4528 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 46.0441, 0.3009, 0.4528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

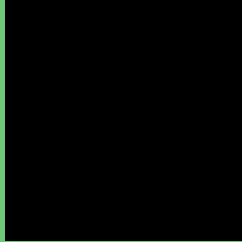
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.0441, 0.3009, 0.4528**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.0441, 0.3009, 0.4528.



This preview shows how white text looks on a background with the Yxy color 46.0441, 0.3009, 0.4528.

# 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

46.0441, 0.3009, 0.4528

### Protanopia

45.5481, 0.3838, 0.4161

### Deuteranopia

45.3075, 0.3933, 0.3853



## Tritanopia

45.9018, 0.2583, 0.3081

# Trichromacy



## Original Color

46.0441, 0.3009, 0.4528



## Protanomaly

44.7778, 0.3495, 0.4301



## Deuteranomaly

44.2582, 0.3553, 0.4085



## Tritanomaly

45.7771, 0.2736, 0.3583

# Monochromacy



## Original Color

46.0441, 0.3009, 0.4528



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

39.6021, 0.3081, 0.3726

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0441, 0.3009, 0.4528 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, 200, 120)` looks like.

```
.text, #text, p{  
    color:rgb(111, 200, 120)  
}
```

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, 200, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 200, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0441, 0.3009, 0.4528 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, 200, 120) }
```

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

```
.border{ border-color:rgb(111, 200, 120) }
```

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

Here you see how a box with a 4 pixel rgb(111, 200, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 200, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 200, 120);  
box-shadow:4px 4px 4px 4px rgb(111, 200,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0441, 0.3009, 0.4528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 200, 120) }
```

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

```
.background{ background-color: rgb(111,  
200, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor