

# Converting Colors

$Yxy(45.0505, 0.3057, 0.4604)$

Have a look what the booklet for  
Yxy(45.0505, 0.3057, 0.4604)  
contains.

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# Color

**Yxy(45.0252, 0.3058, 0.4612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70C671
RGB	112, 198, 113
RGB Percent	44%, 78%, 44%
CMY	0.5609, 0.2235, 0.5568
CMYK	0.43, 0.00, 0.43, 0.22
HSL	121°, 43%, 61%
HSV	121°, 43%, 78%
XYZ	29.8541, 45.0252, 22.7469
YIQ	162.5960, -23.9710, -44.6670

# Conversions

## Conversions Part 2

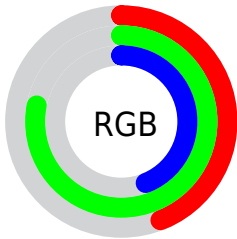
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 197, 198
Decimal	7390833
CIELab	72.91, -43.35, 34.62
CIElCh	73, 55.474, 141.388
Yxy	45.0252, 0.3058, 0.4612
Android (android.graphics.Color)	4285580913 (0xFF70C671)
YUV	162.5960, -24.4508, -44.3727
Hunter-Lab	67.1008, -38.0093, 26.8715

# Details

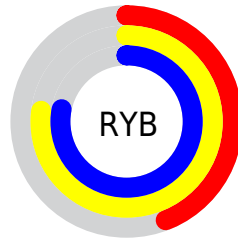
The Yxy color **45.0252, 0.3058, 0.4612** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.6152, 0.3188, 0.2248**, and the grayscale version is **36.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5980, 0.3089, 0.4340**, and **20.8446, 0.2993, 0.5051** is the 20% darker color. If you saturate the color by 10%, you get **43.4743, 0.3041, 0.4966**, and if you desaturate by 10%, it is **46.9603, 0.3076, 0.4263**.

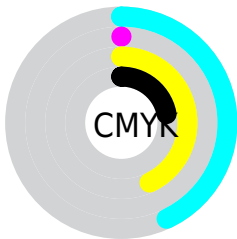
# Distribution



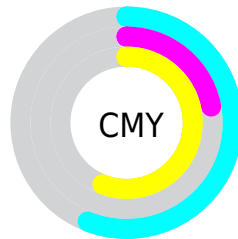
- Red (44%)
- Green (78%)
- Blue (44%)



- Red (44%)
- Yellow (77%)
- Blue (78%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (22%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0252, 0.3058, 0.4612 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 45.0252, 0.3058, 0.4612 by changing the saturation by 10% instead.





 45.0252, 0.3058,  
0.4612

 45.0252, 0.3058,  
0.4612

366.8756, 0.3120,  
0.3905


 31.4773, 0.3032,  
0.4802


 82.7582, 0.3088,  
0.4345


 20.9626, 0.2991,  
0.5052


 107.7121, 0.3097,  
0.4248

 13.0966, 0.2924,  
0.5394


 137.2368, 0.3104,  
0.4166

 7.4951, 0.2804,  
0.5884

 171.7166, 0.3109,  
0.4098

 3.7736, 0.2622,  
0.6766

211.5360, 0.3113,  
0.4039

 1.5478, 0.1624,  
0.8376

257.0794, 0.3116,

 0.3220, 0.0000,

0.3988

1.0000

308.7311, 0.3118,  
0.3944

0.0000, 0.0000,  
0.0000

45.0252, 0.3058,  
0.4612

45.0252, 0.3058,  
0.4612

43.4743, 0.3041,  
0.4966

46.9603, 0.3076,  
0.4263

42.2769, 0.3025,  
0.5301

49.2968, 0.3093,  
0.3935

41.4068, 0.3013,  
0.5590


52.0577, 0.3108,  
0.3637


40.8316, 0.3004,  
0.5809

55.2623, 0.3123,  
0.3373


40.5125, 0.3000,  
0.5943

58.9292, 0.3135,  
0.3143

 40.3975, 0.2998,  
0.5993

 63.0755, 0.3147,  
0.2944

 67.7178, 0.3156,  
0.2773

 68.8721, 0.3153,  
0.2732

# Harmonies

## Analogous

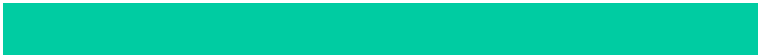
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.0252, 0.3801, 0.4706



45.0252, 0.3058, 0.4612



45.0252, 0.2374, 0.3969

# Triad

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



45.0252, 0.3058, 0.4612



45.0252, 0.1928, 0.2167



45.0252, 0.4479, 0.3225

# Complementary

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



45.0252, 0.3058, 0.4612



27.6152, 0.3188, 0.2248

# 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.



45.0252, 0.3842, 0.2706



45.0252, 0.3058, 0.4612



45.0252, 0.2354, 0.2123

# Square

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



45.0252, 0.3058, 0.4612



45.0252, 0.1783, 0.2491



45.0252, 0.3037, 0.2317



45.0252, 0.4678, 0.3797

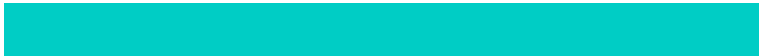


# Rectangle

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



45.0252, 0.3058, 0.4612



45.0252, 0.2043, 0.3402



45.0252, 0.3037, 0.2317



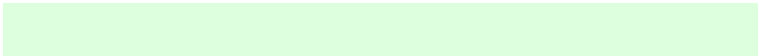
45.0252, 0.4306, 0.3042

# Sweetspot

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



45.0271, 0.3058, 0.4612



92.3138, 0.3109, 0.3630



53.5680, 0.3767, 0.4348



19.5092, 0.3105, 0.3694



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.



45.0271, 0.3058, 0.4612



77.1431, 0.3042, 0.4942



46.2003, 0.2798, 0.3943



11.8900, 0.3114, 0.3526



26.2699, 0.2997, 0.5991



1.2446, 0.2988, 0.5958



# Inverse Universe

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



27.6152, 0.3188, 0.2248



42.3923, 0.3200, 0.2054



25.9527, 0.3679, 0.2728



10.8143, 0.3140, 0.3065



10.3872, 0.3240, 0.1558



0.4926, 0.3233, 0.1555



# Previews

## White Background



This preview shows how the Yxy color 45.0252, 0.3058, 0.4612 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 45.0252, 0.3058, 0.4612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

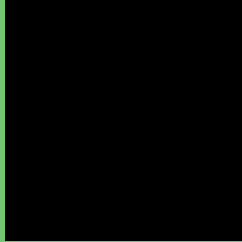
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.0252, 0.3058, 0.4612**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0252, 0.3058, 0.4612.



This preview shows how white text looks on a background with the Yxy color 45.0252, 0.3058, 0.4612.

# 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

45.0252, 0.3058, 0.4612

### Protanopia

44.4628, 0.3894, 0.4225

### Deuteranopia

44.2517, 0.3987, 0.3903



## Tritanopia

45.0241, 0.2597, 0.3080

# Trichromacy



## Original Color

45.0252, 0.3058, 0.4612



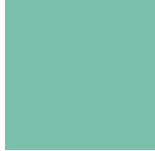
## Protanomaly

43.7800, 0.3553, 0.4373



## Deuteranomaly

43.1570, 0.3607, 0.4158



## Tritanomaly

44.8125, 0.2765, 0.3615

# Monochromacy



## Original Color

45.0252, 0.3058, 0.4612



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

39.0243, 0.3096, 0.3760

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0252, 0.3058, 0.4612 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(112, 198, 113)` looks like.

```
.text, #text, p{  
    color:rgb(112, 198, 113)  
}
```

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(112, 198, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 198, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0252, 0.3058, 0.4612 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(112, 198, 113) }
```

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

```
.border{ border-color:rgb(112, 198, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 198, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 198, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 198, 113);  
box-shadow:4px 4px 4px 4px rgb(112, 198,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0252, 0.3058, 0.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 198, 113) }
```

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

```
.background{ background-color: rgb(112,  
198, 113) }
```

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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