

# Converting Colors

$Yxy(42.7248, 0.3025, 0.4667)$

Have a look what the booklet for  
Yxy(42.7248, 0.3025, 0.4667)  
contains.

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# Color

**Yxy(42.5713, 0.3023, 0.4655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67C26D
RGB	103, 194, 109
RGB Percent	40%, 76%, 43%
CMY	0.5961, 0.2392, 0.5724
CMYK	0.47, 0.00, 0.44, 0.24
HSL	124°, 43%, 58%
HSV	124°, 47%, 76%
XYZ	27.6462, 42.5713, 21.2354
YIQ	157.1010, -26.9510, -45.7270

# Conversions

## Conversions Part 2

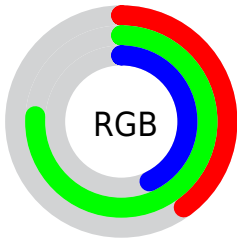
<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 188, 194
Decimal	6799981
CIELab	71.26, -44.85, 34.47
CIELCh	71, 56.565, 142.455
Yxy	42.5713, 0.3023, 0.4655
Android (android.graphics.Color)	4284990061 (0xFF67C26D)
YUV	157.1010, -23.7138, -47.4466
Hunter-Lab	65.2467, -38.5480, 26.3760

# Details

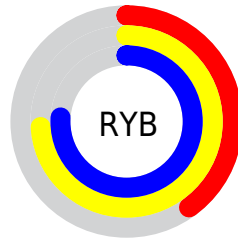
The Yxy color **42.5713, 0.3023, 0.4655** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.7986, 0.3247, 0.2226**, and the grayscale version is **33.8838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9739, 0.3060, 0.4368**, and **19.6298, 0.2944, 0.5137** is the 20% darker color. If you saturate the color by 10%, you get **41.2051, 0.3005, 0.4993**, and if you desaturate by 10%, it is **44.2876, 0.3044, 0.4319**.

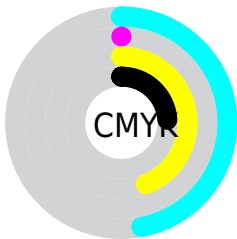
# Distribution



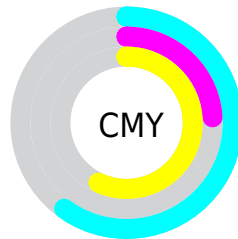
- Red (40%)
- Green (76%)
- Blue (43%)



- Red (40%)
- Yellow (74%)
- Blue (76%)



- Cyan (47%)
- Magenta (0%)
- Yellow (44%)
- Black (24%)




- Cyan (60%)
- Magenta (24%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5713, 0.3023, 0.4655 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 42.5713, 0.3023, 0.4655 by changing the saturation by 10% instead.





 42.5713, 0.3023,  
0.4655


 42.5713, 0.3023,  
0.4655


356.8458, 0.3105,  
0.3917

 29.5489, 0.2991,  
0.4856


 79.0635, 0.3061,  
0.4374

 19.4964, 0.2941,  
0.5123


 103.3022, 0.3073,  
0.4272

 12.0295, 0.2860,  
0.5491


 132.0483, 0.3082,  
0.4188

 6.7638, 0.2716,  
0.6024

 165.6864, 0.3089,  
0.4116

 3.3148, 0.2538,  
0.7132

204.6008, 0.3094,  
0.4056

 1.2982, 0.0650,  
0.9350

249.1759, 0.3098,

 0.1398, 0.0000,

0.4003

1.0000

299.7961, 0.3102,  
0.3957

0.0000, 0.0000,  
0.0000

42.5713, 0.3023,  
0.4655

42.5713, 0.3023,  
0.4655

41.2051, 0.3005,  
0.4993

44.2876, 0.3044,  
0.4319

40.1600, 0.2991,  
0.5312

46.3700, 0.3067,  
0.4001

39.4112, 0.2984,  
0.5588


48.8401, 0.3090,  
0.3711


38.9277, 0.2984,  
0.5799


51.7162, 0.3112,  
0.3451

38.6690, 0.2989,  
0.5933


55.0153, 0.3133,  
0.3223

 38.6138, 0.2989,  
0.5960

 58.7536, 0.3153,  
0.3025

 62.9465, 0.3171,  
0.2854

 66.9971, 0.3163,  
0.2702

 67.0651, 0.3155,  
0.2693

# Harmonies

## Analogous

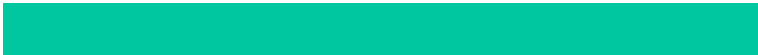
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5713, 0.3793, 0.4765



42.5713, 0.3023, 0.4655



42.5713, 0.2323, 0.3967

# Triad

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



42.5713, 0.3023, 0.4655



42.5713, 0.1900, 0.2122



42.5713, 0.4547, 0.3238

# Complementary

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



42.5713, 0.3023, 0.4655



24.7986, 0.3247, 0.2226

# 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.



42.5713, 0.3897, 0.2703



42.5713, 0.3023, 0.4655



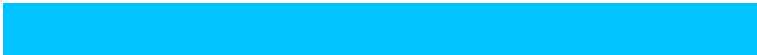
42.5713, 0.2347, 0.2089

# Square

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



42.5713, 0.3023, 0.4655



42.5713, 0.1740, 0.2443



42.5713, 0.3060, 0.2297



42.5713, 0.4732, 0.3827

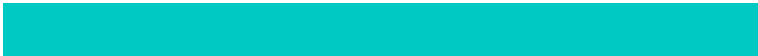


# Rectangle

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



42.5713, 0.3023, 0.4655



42.5713, 0.1990, 0.3372



42.5713, 0.3060, 0.2297



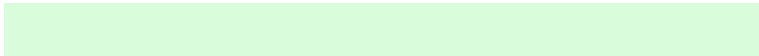
42.5713, 0.4373, 0.3050

# Sweetspot

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



42.5731, 0.3023, 0.4655



89.8101, 0.3096, 0.3638



50.4411, 0.3771, 0.4441



19.4287, 0.3091, 0.3697



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.



42.5731, 0.3023, 0.4655



74.6554, 0.3005, 0.4992



43.7699, 0.2750, 0.3929



11.2694, 0.3107, 0.3512



25.3909, 0.2986, 0.5951



1.1009, 0.2937, 0.5773



# Inverse Universe

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



24.7986, 0.3247, 0.2226



38.6412, 0.3275, 0.2035



23.1812, 0.3804, 0.2745



10.2356, 0.3148, 0.3078



9.7427, 0.3381, 0.1636



0.4245, 0.3339, 0.1613



# Previews

## White Background



This preview shows how the Yxy color 42.5713, 0.3023, 0.4655 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 42.5713, 0.3023, 0.4655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

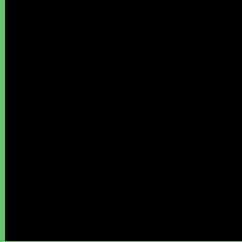
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.5713, 0.3023, 0.4655**

## Background



This preview shows how black text looks on a background with the Yxy color 42.5713, 0.3023, 0.4655.



This preview shows how white text looks on a background with the Yxy color 42.5713, 0.3023, 0.4655.

# 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

42.5713, 0.3023, 0.4655

### Protanopia

41.7739, 0.3906, 0.4235

### Deuteranopia

41.9433, 0.3996, 0.3916



## Tritanopia

42.4958, 0.2569, 0.3088

# Trichromacy



## Original Color

42.5713, 0.3023, 0.4655



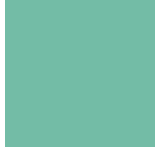
## Protanomaly

41.3163, 0.3533, 0.4406



## Deuteranomaly

40.7890, 0.3598, 0.4183



## Tritanomaly

42.3645, 0.2733, 0.3625

# Monochromacy



## Original Color

42.5713, 0.3023, 0.4655



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

35.9613, 0.3078, 0.3762

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  42.5713, 0.3023, 0.4655 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(103, 194, 109)` looks like.

```
.text, #text, p{  
    color:rgb(103, 194, 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(103, 194, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 194, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5713, 0.3023, 0.4655 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(103, 194, 109) }
```

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

```
.border{ border-color:rgb(103, 194, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 194, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 194, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 194, 109); box-shadow:4px 4px 4px 4px rgb(103, 194, 109) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5713, 0.3023, 0.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 194, 109) }
```

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

```
.background{ background-color: rgb(103,  
194, 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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