

# Converting Colors

Yxy(69.6017, 0.2925, 0.4649)

Have a look what the booklet for  
Yxy(69.6017, 0.2925, 0.4649)  
contains.

<b>Yxy(69.6017, 0.2925, 0.4649)</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(69.6017, 0.2925, 0.4649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72F38D
RGB	114, 243, 141
RGB Percent	45%, 95%, 55%
CMY	0.5532, 0.0470, 0.4471
CMYK	0.53, 0.00, 0.42, 0.05
HSL	133°, 84%, 70%
HSV	133°, 53%, 95%
XYZ	43.7911, 69.6017, 36.3204
YIQ	192.8010, -44.1420, -59.0700

# Conversions

## Conversions Part 2

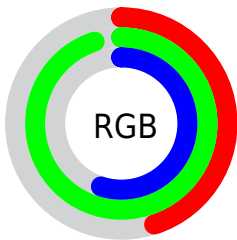
Format	Color
<b>RYB</b>	114, 221, 243
Decimal	7533453
CIELab	86.80, -56.93, 38.54
CIElCh	87, 68.749, 145.905
Yxy	69.6017, 0.2925, 0.4649
Android (android.graphics.Color)	4285723533 (0xFF72F38D)
YUV	192.8010, -25.5379, -69.1085
Hunter-Lab	83.4276, -52.3038, 32.5873

# Details

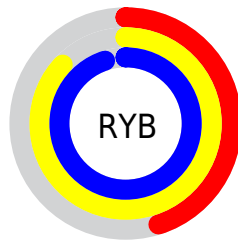
The Yxy color **69.6017, 0.2925, 0.4649** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.0342, 0.3452, 0.2247**, and the grayscale version is **53.3699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5042, 0.2968, 0.3969**, and **36.4675, 0.2841, 0.5033** is the 20% darker color. If you saturate the color by 10%, you get **67.6637, 0.2907, 0.4950**, and if you desaturate by 10%, it is **72.0773, 0.2953, 0.4350**.

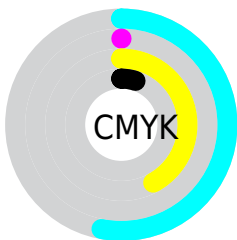
# Distribution



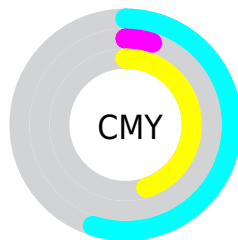
- Red (45%)
- Green (95%)
- Blue (55%)



- Red (45%)
- Yellow (87%)
- Blue (95%)



- Cyan (53%)
- Magenta (0%)
- Yellow (42%)
- Black (5%)




- Cyan (55%)
- Magenta (5%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6017, 0.2925, 0.4649 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 69.6017, 0.2925, 0.4649 by changing the saturation by 10% instead.



 69.6017, 0.2925,  
0.4649

 69.6017, 0.2925,  
0.4649


459.1503, 0.3048,  
0.3967


 51.2019, 0.2889,  
0.4817

 118.6406, 0.2974,  
0.4402

 36.3693, 0.2839,  
0.5030


 150.0484, 0.2991,  
0.4309

 24.7196, 0.2768,  
0.5309


 186.5611, 0.3005,  
0.4231

 15.8682, 0.2661,  
0.5685

228.5629, 0.3017,  
0.4163

 9.4310, 0.2490,  
0.6213

276.4384, 0.3026,  
0.4104

 5.0233, 0.2211,  
0.7038

330.5718, 0.3035,

 2.2610, 0.1433,

0.4053

0.8567

391.3477, 0.3042,  
0.4008

0.7529, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.6017, 0.2925,  
0.4649

69.6017, 0.2925,  
0.4649

67.6637, 0.2907,  
0.4950

72.0773, 0.2953,  
0.4350

66.2145, 0.2901,  
0.5236

75.1179, 0.2989,  
0.4065


65.2107, 0.2908,  
0.5490

78.7593, 0.3029,  
0.3801

64.5970, 0.2929,  
0.5696

83.0316, 0.3071,  
0.3562

 64.3467, 0.2946,  
0.5806

 87.9631, 0.3114,  
0.3351

 92.5883, 0.3133,  
0.3175

# Harmonies

## Analogous

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



69.6017, 0.3719, 0.4830



69.6017, 0.2925, 0.4649



69.6017, 0.2229, 0.3884

# Triad

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



69.6017, 0.2925, 0.4649



69.6017, 0.1906, 0.2073



69.6017, 0.4642, 0.3300

# Complementary

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



69.6017, 0.2925, 0.4649



36.0342, 0.3452, 0.2247

# 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.



69.6017, 0.4015, 0.2743



69.6017, 0.2925, 0.4649



69.6017, 0.2396, 0.2071

# Square

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



69.6017, 0.2925, 0.4649



69.6017, 0.1708, 0.2362



69.6017, 0.3154, 0.2309



69.6017, 0.4766, 0.3904



# Rectangle

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



69.6017, 0.2925, 0.4649



69.6017, 0.1913, 0.3268



69.6017, 0.3154, 0.2309



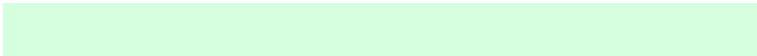
69.6017, 0.4480, 0.3106

# Sweetspot

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



69.6046, 0.2925, 0.4649



91.1605, 0.3059, 0.3629



80.1040, 0.3710, 0.4661



19.2983, 0.3050, 0.3678



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.



69.6046, 0.2925, 0.4649



75.2914, 0.2905, 0.4981



72.0554, 0.2620, 0.3781



18.5288, 0.3087, 0.3482



35.3276, 0.2940, 0.5784



3.1193, 0.2878, 0.5563



# Inverse Universe

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



36.0342, 0.3452, 0.2247



34.0895, 0.3542, 0.2079



33.3670, 0.4201, 0.2878



16.7053, 0.3170, 0.3105



12.5689, 0.3823, 0.1880

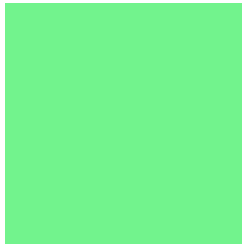


1.1193, 0.3731, 0.1829



# Previews

## White Background



This preview shows how the Yxy color 69.6017, 0.2925, 0.4649 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 69.6017, 0.2925, 0.4649 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

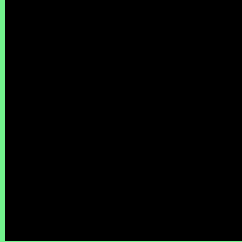
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6017, 0.2925, 0.4649**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6017, 0.2925, 0.4649.



This preview shows how white text looks on a background with the Yxy color 69.6017, 0.2925, 0.4649.

# 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

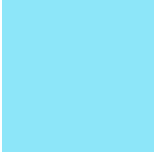
69.6017, 0.2925, 0.4649

### Protanopia

68.5833, 0.3875, 0.4202

### Deuteranopia

68.2522, 0.3897, 0.3829



## **Tritanopia**

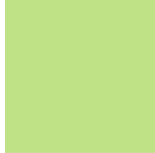
69.0959, 0.2501, 0.3065

# Trichromacy



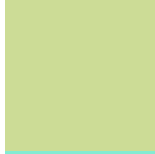
## Original Color

69.6017, 0.2925, 0.4649



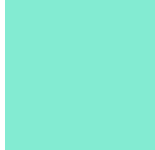
## Protanomaly

67.3484, 0.3467, 0.4380



## Deuteranomaly

66.2258, 0.3480, 0.4116



## Tritanomaly

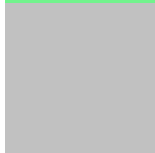
68.8951, 0.2652, 0.3603

# Monochromacy



## Original Color

69.6017, 0.2925, 0.4649



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

57.5370, 0.3033, 0.3773

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6017, 0.2925, 0.4649 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(114, 243, 141)` looks like.

```
.text, #text, p{  
    color:rgb(114, 243, 141)  
}
```

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(114, 243, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 243, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6017, 0.2925, 0.4649 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(114, 243, 141) }
```

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

```
.border{ border-color:rgb(114, 243, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 243, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 243, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 243, 141);  
box-shadow:4px 4px 4px 4px rgb(114, 243,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6017, 0.2925, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 243, 141) }
```

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

```
.background{ background-color: rgb(114,  
243, 141) }
```

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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