

# Converting Colors

Yxy(69.6390, 0.3041, 0.4700)

Have a look what the booklet for  
Yxy(69.6390, 0.3041, 0.4700)  
contains.

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# Color

**Yxy(69.3777, 0.3040, 0.4690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82F186
RGB	130, 241, 134
RGB Percent	51%, 95%, 53%
CMY	0.4900, 0.0549, 0.4745
CMYK	0.46, 0.00, 0.44, 0.05
HSL	122°, 80%, 73%
HSV	122°, 46%, 95%
XYZ	44.9698, 69.3777, 33.5794
YIQ	195.6130, -31.8090, -56.8090

# Conversions

## Conversions Part 2

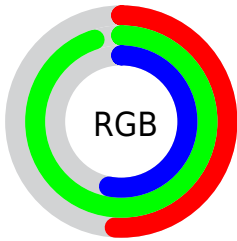
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 237, 241
Decimal	8581510
CIE <sub>Lab</sub>	86.69, -53.02, 41.93
CIE <sub>LCh</sub>	87, 67.597, 141.664
Yxy	69.3777, 0.3040, 0.4690
Android (android.graphics.Color)	4286771590 (0xFF82F186)
YUV	195.6130, -30.3752, -57.5426
Hunter-Lab	83.2933, -49.3917, 34.4027

# Details

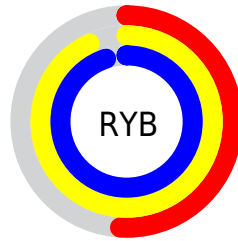
The Yxy color **69.3777, 0.3040, 0.4690** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **40.7934, 0.3215, 0.2202**, and the grayscale version is **55.1656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8855, 0.3086, 0.4035**, and **36.1923, 0.2975, 0.5081** is the 20% darker color. If you saturate the color by 10%, you get **67.1132, 0.3022, 0.5040**, and if you desaturate by 10%, it is **72.2367, 0.3059, 0.4341**.

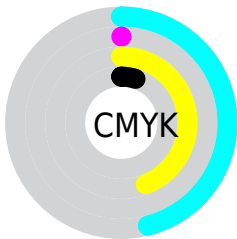
# Distribution



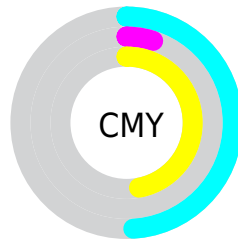
- Red (51%)
- Green (95%)
- Blue (53%)



- Red (51%)
- Yellow (93%)
- Blue (95%)



- Cyan (46%)
- Magenta (0%)
- Yellow (44%)
- Black (5%)




- Cyan (49%)
- Magenta (5%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3777, 0.3040, 0.4690 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 69.3777, 0.3040, 0.4690 by changing the saturation by 10% instead.



 69.3777, 0.3040,  
0.4690

 69.3777, 0.3040,  
0.4690

458.3620, 0.3111,  
0.3990


 51.0194, 0.3014,  
0.4861

 118.3209, 0.3072,  
0.4437

 36.2240, 0.2977,  
0.5078


 149.6745, 0.3082,  
0.4342

 24.6073, 0.2921,  
0.5359


 186.1287, 0.3090,  
0.4261

 15.7847, 0.2831,  
0.5736

228.0679, 0.3096,  
0.4191

 9.3719, 0.2679,  
0.6257

275.8764, 0.3101,  
0.4131

 4.9846, 0.2449,  
0.7142

329.9386, 0.3105,

 2.2382, 0.1711,

0.4078

0.8289

390.6390, 0.3109,  
0.4032

0.7407, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.3777, 0.3040,  
0.4690

69.3777, 0.3040,  
0.4690

67.1132, 0.3022,  
0.5040

72.2367, 0.3059,  
0.4341

65.3935, 0.3008,  
0.5365


75.7187, 0.3079,  
0.4009


64.1752, 0.2999,  
0.5640


79.8607, 0.3099,  
0.3706

63.4043, 0.2995,  
0.5842

84.6942, 0.3117,  
0.3436

 63.0144, 0.2996,  
0.5959

 90.2489, 0.3134,  
0.3201

 62.9286, 0.2996,  
0.5984

 91.3897, 0.3133,  
0.3156

# Harmonies

## Analogous

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



69.3777, 0.3819, 0.4782



69.3777, 0.3040, 0.4690



69.3777, 0.2326, 0.4001

# Triad

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



69.3777, 0.3040, 0.4690



69.3777, 0.1876, 0.2111



69.3777, 0.4557, 0.3220

# Complementary

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



69.3777, 0.3040, 0.4690



40.7934, 0.3215, 0.2202

# 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.



69.3777, 0.3887, 0.2681



69.3777, 0.3040, 0.4690



69.3777, 0.2321, 0.2071

# Square

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



69.3777, 0.3040, 0.4690



69.3777, 0.1722, 0.2442



69.3777, 0.3037, 0.2276



69.3777, 0.4757, 0.3815



# Rectangle

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



69.3777, 0.3040, 0.4690



69.3777, 0.1985, 0.3395



69.3777, 0.3037, 0.2276



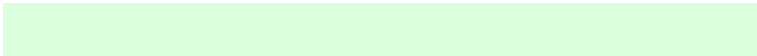
69.3777, 0.4376, 0.3031

# Sweetspot

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



69.3806, 0.3040, 0.4690



91.8246, 0.3102, 0.3650



82.5788, 0.3782, 0.4429



19.4148, 0.3098, 0.3711



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.



69.3806, 0.3040, 0.4690



76.4984, 0.3024, 0.5010



71.3426, 0.2761, 0.3950



17.6656, 0.3111, 0.3525



34.1294, 0.2994, 0.5977



2.8424, 0.2977, 0.5918



# Inverse Universe

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



40.7934, 0.3215, 0.2202



40.3655, 0.3233, 0.2021



38.0474, 0.3778, 0.2728



16.0211, 0.3143, 0.3066



13.3165, 0.3301, 0.1592

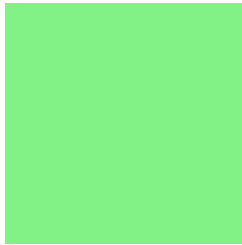


1.1108, 0.3288, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 69.3777, 0.3040, 0.4690 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 69.3777, 0.3040, 0.4690 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

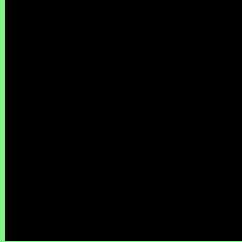
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.3777, 0.3040, 0.4690**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3777, 0.3040, 0.4690.

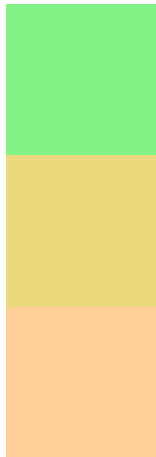


This preview shows how white text looks on a background with the Yxy color 69.3777, 0.3040, 0.4690.

# 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

69.3777, 0.3040, 0.4690

### Protanopia

68.4253, 0.3914, 0.4261

### Deuteranopia

68.1200, 0.3927, 0.3870



## Tritanopia

69.0107, 0.2574, 0.3078

# Trichromacy



## Original Color

69.3777, 0.3040, 0.4690



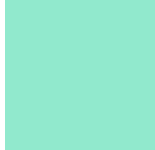
## Protanomaly

67.2793, 0.3550, 0.4435



## Deuteranomaly

66.4090, 0.3563, 0.4150



## Tritanomaly

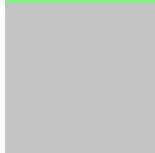
68.7053, 0.2745, 0.3639

# Monochromacy



## Original Color

69.3777, 0.3040, 0.4690



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

58.8748, 0.3096, 0.3790

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3777, 0.3040, 0.4690 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(130, 241, 134)` looks like.

```
.text, #text, p{  
    color:rgb(130, 241, 134)  
}
```

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(130, 241, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 241, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3777, 0.3040, 0.4690 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(130, 241, 134) }
```

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

```
.border{ border-color:rgb(130, 241, 134) }
```

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

Here you see how a box with a 4 pixel rgb(130, 241, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 241, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 241, 134);  
box-shadow:4px 4px 4px 4px rgb(130, 241,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3777, 0.3040, 0.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 241, 134) }
```

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

```
.background{ background-color: rgb(130,  
241, 134) }
```

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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