

# Converting Colors

Yxy(69.5132, 0.3372, 0.4808)

Have a look what the booklet for  
Yxy(69.5132, 0.3372, 0.4808)  
contains.

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# Color

**Yxy(69.2677, 0.3377, 0.4809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6EC70
RGB	166, 236, 112
RGB Percent	65%, 93%, 44%
CMY	0.3491, 0.0745, 0.5609
CMYK	0.30, 0.00, 0.53, 0.07
HSL	94°, 77%, 68%
HSV	94°, 53%, 93%
XYZ	48.6415, 69.2677, 26.1284
YIQ	200.9340, -1.9160, -53.4040

# Conversions

## Conversions Part 2

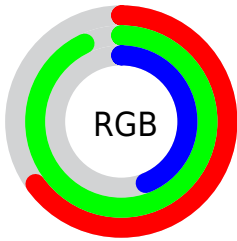
Format	Color
<a href="#">RYB</a>	<a href="#">112, 236, 182</a>
Decimal	<a href="#">10939504</a>
CIELab	<a href="#">86.64, -42.46, 52.68</a>
CIElCh	<a href="#">87, 67.658, 128.871</a>
Yxy	<a href="#">69.2677, 0.3377, 0.4809</a>
Android (android.graphics.Color)	<a href="#">4289129584 (0xFFA6EC70)</a>
YUV	<a href="#">200.9340, -43.8445, -30.6371</a>
Hunter-Lab	<a href="#">83.2272, -41.3247, 39.6455</a>

# Details

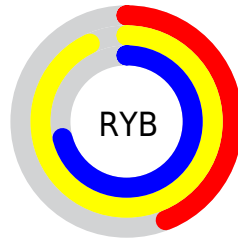
The Yxy color **69.2677, 0.3377, 0.4809** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.5868, 0.2675, 0.1834**, and the grayscale version is **58.6410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1205, 0.3443, 0.4229**, and **36.2733, 0.3377, 0.5203** is the 20% darker color. If you saturate the color by 10%, you get **67.4461, 0.3391, 0.5099**, and if you desaturate by 10%, it is **71.3823, 0.3347, 0.4502**.

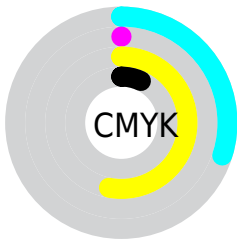
# Distribution



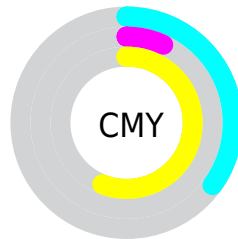
- Red (65%)
- Green (93%)
- Blue (44%)



- Red (44%)
- Yellow (93%)
- Blue (71%)



- Cyan (30%)
- Magenta (0%)
- Yellow (53%)
- Black (7%)




- Cyan (35%)
- Magenta (7%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2677, 0.3377, 0.4809 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 69.2677, 0.3377, 0.4809 by changing the saturation by 10% instead.





 69.2677, 0.3377,  
0.4809

 69.2677, 0.3377,  
0.4809


457.9746, 0.3300,  
0.4064


 50.9298, 0.3381,  
0.4985

 118.1639, 0.3360,  
0.4545

 36.1527, 0.3379,  
0.5203


 149.4908, 0.3351,  
0.4444

 24.5522, 0.3362,  
0.5478


 185.9163, 0.3341,  
0.4357

 15.7437, 0.3317,  
0.5830

227.8247, 0.3332,  
0.4282

 9.3430, 0.3213,  
0.6293

275.6003, 0.3323,  
0.4217

 4.9656, 0.3018,  
0.6982

329.6275, 0.3315,

 2.2271, 0.2428,

0.4160

0.7572

390.2908, 0.3307,  
0.4109

0.7347, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.2677, 0.3377,  
0.4809

69.2677, 0.3377,  
0.4809

67.4461, 0.3391,  
0.5099

71.3823, 0.3347,  
0.4502

65.8929, 0.3385,  
0.5356

73.7950, 0.3305,  
0.4192

64.5937, 0.3359,  
0.5562


76.5220, 0.3254,  
0.3893

63.5282, 0.3314,  
0.5709

79.5753, 0.3199,  
0.3611

 62.8656, 0.3272,  
0.5784

 82.9666, 0.3142,  
0.3352

 86.7066, 0.3085,  
0.3117

 88.4766, 0.3136,  
0.3107

# Harmonies

## Analogous

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



69.2677, 0.4121, 0.4657



69.2677, 0.3377, 0.4809



69.2677, 0.2608, 0.4354

# Triad

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



69.2677, 0.3377, 0.4809



69.2677, 0.1774, 0.2212



69.2677, 0.4318, 0.2979

# Complementary

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



69.2677, 0.3377, 0.4809



27.5868, 0.2675, 0.1834

# 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.



69.2677, 0.3526, 0.2486



69.2677, 0.3377, 0.4809



69.2677, 0.2094, 0.2055

# Square

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



69.2677, 0.3377, 0.4809



69.2677, 0.1744, 0.2684



69.2677, 0.2702, 0.2160



69.2677, 0.4740, 0.3559



# Rectangle

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



69.2677, 0.3377, 0.4809



69.2677, 0.2187, 0.3785



69.2677, 0.2702, 0.2160



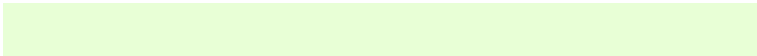
69.2677, 0.4080, 0.2801

# Sweetspot

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



69.2707, 0.3377, 0.4809



93.5349, 0.3219, 0.3708



51.7257, 0.4207, 0.4039



19.8585, 0.3230, 0.3766



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.



69.2707, 0.3377, 0.4809



80.2581, 0.3391, 0.5119



64.7523, 0.3020, 0.4894



17.1829, 0.3181, 0.3529



34.7228, 0.3284, 0.5775



2.7825, 0.3392, 0.5689



# Inverse Universe

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



27.5868, 0.2675, 0.1834



25.6092, 0.2551, 0.1552



35.1207, 0.3245, 0.2086



14.9685, 0.3068, 0.3053



6.1762, 0.2156, 0.0962

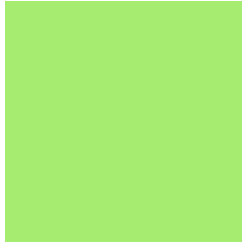


0.5417, 0.2296, 0.1039



# Previews

## White Background



This preview shows how the Yxy color 69.2677, 0.3377, 0.4809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

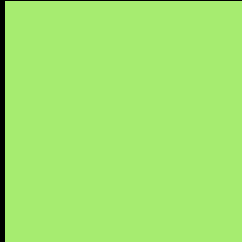
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2677, 0.3377, 0.4809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

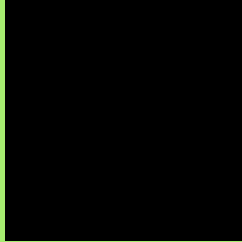
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.2677, 0.3377, 0.4809**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2677, 0.3377, 0.4809.

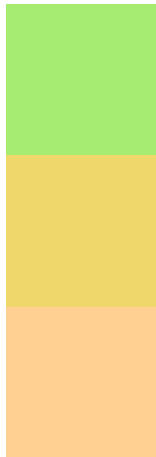


This preview shows how white text looks on a background with the Yxy color 69.2677, 0.3377, 0.4809.

# 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

69.2677, 0.3377, 0.4809

### Protanopia

68.4824, 0.4059, 0.4434

### Deuteranopia

68.4161, 0.3967, 0.3939



## Tritanopia

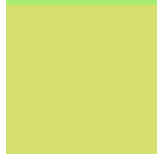
68.8481, 0.2772, 0.3085

# Trichromacy



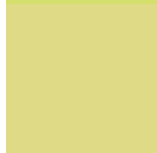
## Original Color

69.2677, 0.3377, 0.4809



## Protanomaly

67.8551, 0.3790, 0.4572



## Deuteranomaly

67.5242, 0.3749, 0.4238



## Tritanomaly

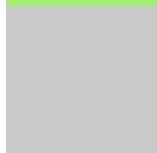
68.2534, 0.3007, 0.3701

# Monochromacy



## Original Color

69.2677, 0.3377, 0.4809



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

61.6491, 0.3241, 0.3846

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2677, 0.3377, 0.4809 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(166, 236, 112)` looks like.

```
.text, #text, p{  
    color:rgb(166, 236, 112)  
}
```

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(166, 236, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 236, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2677, 0.3377, 0.4809 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(166, 236, 112) }
```

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

```
.border{ border-color:rgb(166, 236, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 236, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 236, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 236, 112);  
box-shadow:4px 4px 4px 4px rgb(166, 236,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2677, 0.3377, 0.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 236, 112) }
```

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

```
.background{ background-color: rgb(166,  
236, 112) }
```

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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