

# Converting Colors

Yxy(66.3382, 0.3336, 0.4380)

Have a look what the booklet for  
Yxy(66.3382, 0.3336, 0.4380)  
contains.

<b>Yxy(66.2672, 0.3337, 0.4379)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(66.2672, 0.3337, 0.4379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E38B
RGB	178, 227, 139
RGB Percent	70%, 89%, 55%
CMY	0.3018, 0.1098, 0.4548
CMYK	0.22, 0.00, 0.39, 0.11
HSL	93°, 61%, 72%
HSV	93°, 39%, 89%
XYZ	50.4987, 66.2672, 34.5637
YIQ	202.3170, -0.9560, -37.7560

# Conversions

## Conversions Part 2

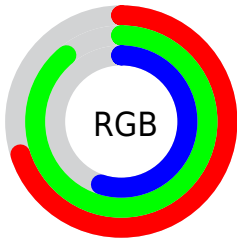
Format	Color
<b>RYB</b>	139, 227, 188
Decimal	11723659
CIELab	85.13, -30.95, 37.93
CIELCh	85, 48.959, 129.212
Yxy	66.2672, 0.3337, 0.4379
Android (android.graphics.Color)	4289913739 (0xFFB2E38B)
YUV	202.3170, -31.2153, -21.3260
Hunter-Lab	81.4047, -31.7273, 31.8093

# Details

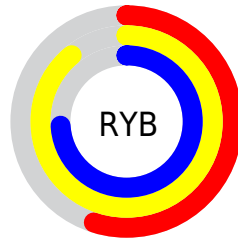
The Yxy color **66.2672, 0.3337, 0.4379** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.7055, 0.2817, 0.2231**, and the grayscale version is **59.4782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0324, 0.3362, 0.3927**, and **34.0990, 0.3369, 0.4671** is the 20% darker color. If you saturate the color by 10%, you get **64.2474, 0.3374, 0.4687**, and if you desaturate by 10%, it is **68.5681, 0.3290, 0.4074**.

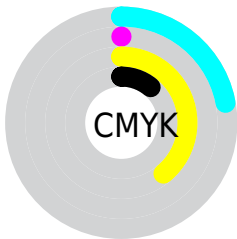
# Distribution



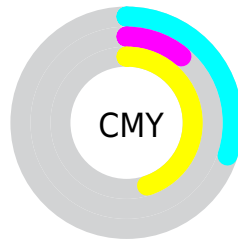
- Red (70%)
- Green (89%)
- Blue (55%)



- Red (55%)
- Yellow (89%)
- Blue (74%)



- Cyan (22%)
- Magenta (0%)
- Yellow (39%)
- Black (11%)




- Cyan (30%)
- Magenta (11%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2672, 0.3337, 0.4379 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 66.2672, 0.3337, 0.4379 by changing the saturation by 10% instead.





 66.2672, 0.3337,  
0.4379

 66.2672, 0.3337,  
0.4379


447.3319, 0.3257,  
0.3844


 48.4893, 0.3350,  
0.4508

 113.8698, 0.3313,  
0.4188

 34.2146, 0.3361,  
0.4670


 144.4632, 0.3303,  
0.4115

 23.0585, 0.3370,  
0.4879


 180.0974, 0.3293,  
0.4053

 14.6367, 0.3370,  
0.5158

221.1566, 0.3285,  
0.3999

 8.5648, 0.3344,  
0.5540

268.0252, 0.3277,  
0.3953

 4.4584, 0.3301,  
0.6176

321.0877, 0.3269,

 1.9332, 0.3021,

0.3912

0.6979

380.7285, 0.3263,  
0.3876

■ 0.5682, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.2672, 0.3337,  
0.4379

■ 66.2672, 0.3337,  
0.4379

■ 64.2474, 0.3374,  
0.4687

■ 68.5681, 0.3290,  
0.4074

■ 62.4878, 0.3395,  
0.4984


■ 71.1528, 0.3236,  
0.3782


■ 60.9779, 0.3399,  
0.5254


■ 74.0350, 0.3178,  
0.3510


■ 59.7026, 0.3381,  
0.5480


■ 77.2247, 0.3120,  
0.3260

 58.6451, 0.3344,  
0.5650

 80.7315, 0.3062,  
0.3035

 57.7814, 0.3290,  
0.5763

 83.1929, 0.3132,  
0.3018

 57.6838, 0.3284,  
0.5775

 83.4147, 0.3140,  
0.3019

# Harmonies

## Analogous

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



66.2672, 0.3894, 0.4326



66.2672, 0.3337, 0.4379



66.2672, 0.2752, 0.4039

# Triad

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



66.2672, 0.3337, 0.4379



66.2672, 0.2086, 0.2480



66.2672, 0.4007, 0.3076

# Complementary

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



66.2672, 0.3337, 0.4379



34.7055, 0.2817, 0.2231

# Split Complementary

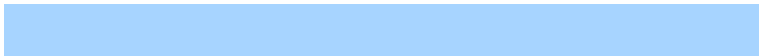
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.2672, 0.3438, 0.2681



66.2672, 0.3337, 0.4379



66.2672, 0.2348, 0.2341

# Square

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



66.2672, 0.3337, 0.4379



66.2672, 0.2066, 0.2856



66.2672, 0.2825, 0.2420



66.2672, 0.4319, 0.3538



# Rectangle

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



66.2672, 0.3337, 0.4379



66.2672, 0.2426, 0.3648



66.2672, 0.2825, 0.2420



66.2672, 0.3836, 0.2933

# Sweetspot

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



66.2701, 0.3337, 0.4379



95.0962, 0.3198, 0.3598



53.9084, 0.3869, 0.3848



20.2478, 0.3205, 0.3633



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

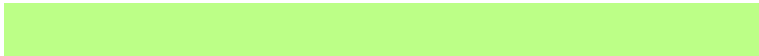


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2701, 0.3337, 0.4379



84.0050, 0.3369, 0.4643



62.4217, 0.3047, 0.4413



16.4004, 0.3182, 0.3528



33.7103, 0.3294, 0.5766



2.5454, 0.3408, 0.5676



# Inverse Universe

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



34.7055, 0.2817, 0.2231



37.1233, 0.2726, 0.1983



40.1080, 0.3212, 0.2378



14.2806, 0.3067, 0.3053



5.9050, 0.2140, 0.0952

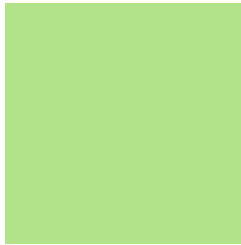


0.4912, 0.2289, 0.1035



# Previews

## White Background



This preview shows how the Yxy color 66.2672, 0.3337, 0.4379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

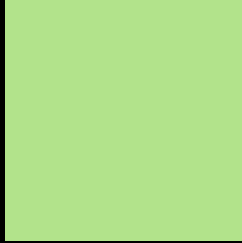
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2672, 0.3337, 0.4379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

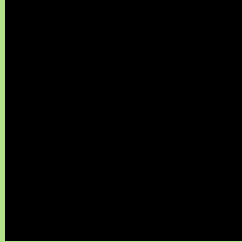
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.2672, 0.3337, 0.4379**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2672, 0.3337, 0.4379.



This preview shows how white text looks on a background with the Yxy color 66.2672, 0.3337, 0.4379.

# 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

66.2672, 0.3337, 0.4379

### Protanopia

65.7693, 0.3839, 0.4158

### Deuteranopia

65.6081, 0.3981, 0.3905



## Tritanopia

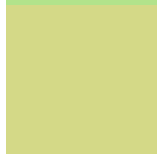
66.2014, 0.2852, 0.3096

## Trichromacy



### Original Color

66.2672, 0.3337, 0.4379



### Protanomaly

65.3720, 0.3652, 0.4237



### Deuteranomaly

65.2087, 0.3736, 0.4075



### Tritanomaly

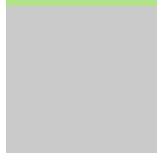
65.8747, 0.3031, 0.3541

## Monochromacy



### Original Color

66.2672, 0.3337, 0.4379



### Achromatopsia

59.0619, 0.3127, 0.3290



### Achromatomaly

61.1807, 0.3214, 0.3680

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.2672, 0.3337, 0.4379 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(178, 227, 139)` looks like.

```
.text, #text, p{  
    color:rgb(178, 227, 139)  
}
```

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(178, 227, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 227, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2672, 0.3337, 0.4379 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(178, 227, 139) }
```

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

```
.border{ border-color:rgb(178, 227, 139) }
```

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

Here you see how a box with a 4 pixel rgb(178, 227, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 227, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 227, 139);  
box-shadow:4px 4px 4px 4px rgb(178, 227,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2672, 0.3337, 0.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 227, 139) }
```

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

```
.background{ background-color: rgb(178,  
227, 139) }
```

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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