

# Converting Colors

Yxy(65.9409, 0.3369, 0.4508)

Have a look what the booklet for  
Yxy(65.9409, 0.3369, 0.4508)  
contains.

<b>Yxy(66.1857, 0.3371, 0.4517)</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(66.1857, 0.3371, 0.4517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFE481
RGB	175, 228, 129
RGB Percent	69%, 89%, 51%
CMY	0.3135, 0.1059, 0.4940
CMYK	0.23, 0.00, 0.43, 0.11
HSL	92°, 65%, 70%
HSV	92°, 43%, 89%
XYZ	49.3938, 66.1857, 30.9462
YIQ	200.8670, 0.1910, -42.0250

# Conversions

## Conversions Part 2

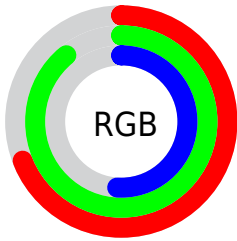
Format	Color
<b>RYB</b>	129, 228, 182
Decimal	11527297
CIELab	85.09, -33.75, 42.80
CIELCh	85, 54.504, 128.256
Yxy	66.1857, 0.3371, 0.4517
Android (android.graphics.Color)	4289717377 (0xFFAFE481)
YUV	200.8670, -35.4304, -22.6854
Hunter-Lab	81.3546, -33.9956, 34.3951

# Details

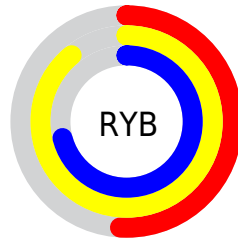
The Yxy color **66.1857, 0.3371, 0.4517** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.2474, 0.2749, 0.2088**, and the grayscale version is **58.5533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0947, 0.3400, 0.4036**, and **34.0339, 0.3395, 0.4848** is the 20% darker color. If you saturate the color by 10%, you get **64.2996, 0.3404, 0.4819**, and if you desaturate by 10%, it is **68.3403, 0.3325, 0.4212**.

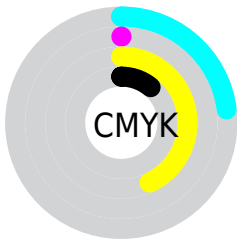
# Distribution



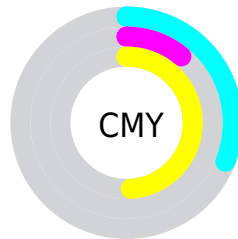
- Red (69%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (71%)



- Cyan (23%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)




- Cyan (31%)
- Magenta (11%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1857, 0.3371, 0.4517 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 66.1857, 0.3371, 0.4517 by changing the saturation by 10% instead.




 66.1857, 0.3371,  
0.4517


 66.1857, 0.3371,  
0.4517


447.0407, 0.3280,  
0.3913


 48.4232, 0.3384,  
0.4662


 113.7528, 0.3345,  
0.4301

 34.1621, 0.3395,  
0.4843


 144.3262, 0.3334,  
0.4219

 23.0182, 0.3400,  
0.5076


 179.9386, 0.3323,  
0.4149

 14.6069, 0.3391,  
0.5383

220.9746, 0.3313,  
0.4089

 8.5440, 0.3345,  
0.5797

267.8183, 0.3304,  
0.4036

 4.4450, 0.3335,  
0.6617

320.8543, 0.3295,

 1.9254, 0.2841,

0.3990

0.7159

380.4670, 0.3288,  
0.3949

■ 0.5636, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.1857, 0.3371,  
0.4517

■ 66.1857, 0.3371,  
0.4517

■ 64.2996, 0.3404,  
0.4819

■ 68.3403, 0.3325,  
0.4212

■ 62.6610, 0.3421,  
0.5102


■ 70.7662, 0.3270,  
0.3914


■ 61.2589, 0.3417,  
0.5349

■ 73.4771, 0.3210,  
0.3633


■ 60.0780, 0.3392,  
0.5548

■ 76.4831, 0.3148,  
0.3373

 59.1000, 0.3347,  
0.5688

 79.7936, 0.3087,  
0.3137

 58.5496, 0.3311,  
0.5753

 82.7014, 0.3094,  
0.3025

 83.9636, 0.3139,  
0.3029

# Harmonies

## Analogous

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



66.1857, 0.3985, 0.4427



66.1857, 0.3371, 0.4517



66.1857, 0.2724, 0.4152

# Triad

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



66.1857, 0.3371, 0.4517



66.1857, 0.1980, 0.2401



66.1857, 0.4091, 0.3033

# Complementary

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



66.1857, 0.3371, 0.4517



31.2474, 0.2749, 0.2088

# 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.



66.1857, 0.3447, 0.2608



66.1857, 0.3371, 0.4517



66.1857, 0.2254, 0.2248

# Square

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



66.1857, 0.3371, 0.4517



66.1857, 0.1964, 0.2818



66.1857, 0.2769, 0.2329



66.1857, 0.4449, 0.3534



# Rectangle

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



66.1857, 0.3371, 0.4517



66.1857, 0.2363, 0.3711



66.1857, 0.2769, 0.2329



66.1857, 0.3896, 0.2879

# Sweetspot

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



66.1886, 0.3371, 0.4517



94.8364, 0.3208, 0.3624



51.4548, 0.3987, 0.3897



20.1252, 0.3222, 0.3685



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.



66.1886, 0.3371, 0.4517



83.1337, 0.3402, 0.4786



61.8268, 0.3047, 0.4596



16.4160, 0.3186, 0.3528



33.8797, 0.3321, 0.5745



2.5584, 0.3435, 0.5655



# Inverse Universe

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



31.2474, 0.2749, 0.2088



32.6188, 0.2646, 0.1831



37.6181, 0.3207, 0.2260



14.2648, 0.3064, 0.3053



5.6935, 0.2095, 0.0928

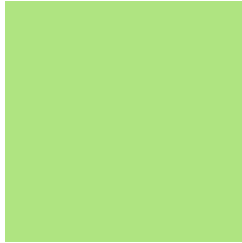


0.4759, 0.2249, 0.1012



# Previews

## White Background



This preview shows how the Yxy color 66.1857, 0.3371, 0.4517 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 66.1857, 0.3371, 0.4517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

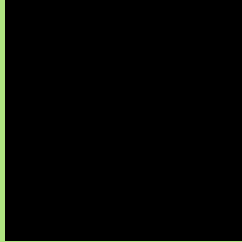
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.1857, 0.3371, 0.4517**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.1857, 0.3371, 0.4517.



This preview shows how white text looks on a background with the Yxy color 66.1857, 0.3371, 0.4517.

# 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

66.1857, 0.3371, 0.4517

### Protanopia

65.6728, 0.3914, 0.4256

### Deuteranopia

65.2786, 0.4062, 0.3969



## Tritanopia

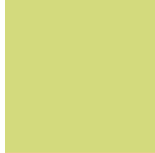
65.9421, 0.2839, 0.3095

# Trichromacy



## Original Color

66.1857, 0.3371, 0.4517



## Protanomaly

65.4724, 0.3704, 0.4359



## Deuteranomaly

64.4507, 0.3803, 0.4162



## Tritanomaly

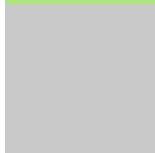
65.4408, 0.3043, 0.3591

# Monochromacy



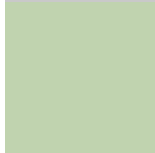
## Original Color

66.1857, 0.3371, 0.4517



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.8901, 0.3234, 0.3731

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.1857, 0.3371, 0.4517 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(175, 228, 129)` looks like.

```
.text, #text, p{  
    color:rgb(175, 228, 129)  
}
```

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(175, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 228, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 66.1857, 0.3371, 0.4517 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(175, 228, 129) }
```

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

```
.border{ border-color:rgb(175, 228, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 228, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 228, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 228, 129);  
box-shadow:4px 4px 4px 4px rgb(175, 228,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.1857, 0.3371, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 228, 129) }
```

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

```
.background{ background-color: rgb(175,  
228, 129) }
```

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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