

# Converting Colors

$Yxy(66.4030, 0.3285, 0.4713)$

Have a look what the booklet for  
Yxy(66.4030, 0.3285, 0.4713)  
contains.

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# Color

**Yxy(66.2374, 0.3285, 0.4714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DE878
RGB	157, 232, 120
RGB Percent	62%, 91%, 47%
CMY	0.3841, 0.0902, 0.5295
CMYK	0.32, 0.00, 0.48, 0.09
HSL	100°, 71%, 69%
HSV	100°, 48%, 91%
XYZ	46.1582, 66.2374, 28.1165
YIQ	196.8070, -8.7480, -50.7320

# Conversions

## Conversions Part 2

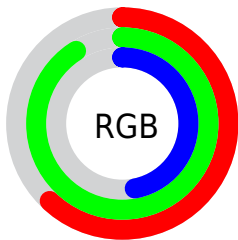
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 232, 195
Decimal	10348664
CIELab	85.12, -42.84, 46.98
CIELCh	85, 63.579, 132.359
Yxy	66.2374, 0.3285, 0.4714
Android (android.graphics.Color)	4288538744 (0xFF9DE878)
YUV	196.8070, -37.8659, -34.9107
Hunter-Lab	81.3864, -41.1900, 36.4876

# Details

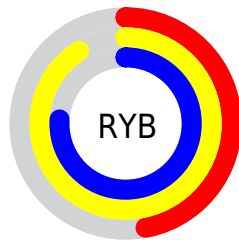
The Yxy color **66.2374, 0.3285, 0.4714** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **30.8486, 0.2831, 0.1995**, and the grayscale version is **55.9561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8721, 0.3332, 0.4164**, and **34.2347, 0.3270, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **64.2795, 0.3292, 0.5030**, and if you desaturate by 10%, it is **68.5358, 0.3265, 0.4390**.

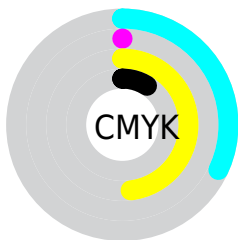
# Distribution



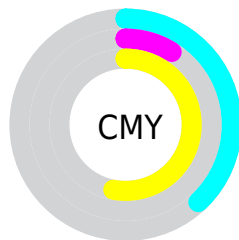
- Red (62%)
- Green (91%)
- Blue (47%)



- Red (47%)
- Yellow (91%)
- Blue (76%)



- Cyan (32%)
- Magenta (0%)
- Yellow (48%)
- Black (9%)



- Cyan (38%)
- Magenta (9%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2374, 0.3285, 0.4714 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 66.2374, 0.3285, 0.4714 by changing the saturation by 10% instead.




 66.2374, 0.3285,  
0.4714


 66.2374, 0.3285,  
0.4714


447.2254, 0.3244,  
0.4006


 48.4651, 0.3283,  
0.4885


 113.8270, 0.3279,  
0.4460

 34.1954, 0.3275,  
0.5099


 144.4131, 0.3274,  
0.4364

 23.0437, 0.3252,  
0.5374


 180.0393, 0.3269,  
0.4282

 14.6258, 0.3201,  
0.5736

221.0900, 0.3264,  
0.4211

 8.5572, 0.3091,  
0.6220

267.9496, 0.3258,  
0.4150

 4.4535, 0.2930,  
0.7070

321.0024, 0.3253,

 1.9303, 0.2202,

0.4096

0.7798

380.6329, 0.3249,  
0.4048

0.5665, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.2374, 0.3285,  
0.4714

66.2374, 0.3285,  
0.4714

64.2795, 0.3292,  
0.5030

68.5358, 0.3265,  
0.4390

62.6362, 0.3284,  
0.5318


71.1822, 0.3235,  
0.4074


61.2910, 0.3260,  
0.5561

74.1945, 0.3200,  
0.3774


60.2220, 0.3220,  
0.5742


77.5865, 0.3161,  
0.3498

 59.4011, 0.3169,  
0.5857

 81.3716, 0.3120,  
0.3249

 59.2794, 0.3160,  
0.5873

 85.2898, 0.3106,  
0.3066

 86.1911, 0.3138,  
0.3068

# Harmonies

## Analogous

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



66.2374, 0.4011, 0.4641



66.2374, 0.3285, 0.4714



66.2374, 0.2557, 0.4214

# Triad

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



66.2374, 0.3285, 0.4714



66.2374, 0.1847, 0.2225



66.2374, 0.4334, 0.3057

# Complementary

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



66.2374, 0.3285, 0.4714



30.8486, 0.2831, 0.1995

# 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.



66.2374, 0.3605, 0.2567



66.2374, 0.3285, 0.4714



66.2374, 0.2190, 0.2101

# Square

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



66.2374, 0.3285, 0.4714



66.2374, 0.1786, 0.2646



66.2374, 0.2806, 0.2229



66.2374, 0.4683, 0.3624



# Rectangle

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



66.2374, 0.3285, 0.4714



66.2374, 0.2169, 0.3662



66.2374, 0.2806, 0.2229



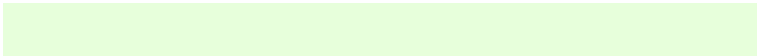
66.2374, 0.4120, 0.2882

# Sweetspot

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



66.2403, 0.3285, 0.4714



93.6581, 0.3184, 0.3655



57.3888, 0.4025, 0.4117



19.8557, 0.3192, 0.3716



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.



66.2403, 0.3285, 0.4714



79.6558, 0.3292, 0.5030



63.5572, 0.2963, 0.4567



16.3196, 0.3165, 0.3529



32.9720, 0.3171, 0.5864



2.4857, 0.3283, 0.5776



# Inverse Universe

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



30.8486, 0.2831, 0.1995



30.8863, 0.2746, 0.1738



35.4057, 0.3364, 0.2289



14.3638, 0.3085, 0.3055



7.1870, 0.2391, 0.1091



0.5812, 0.2512, 0.1158



# Previews

## White Background



This preview shows how the Yxy color 66.2374, 0.3285, 0.4714 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 66.2374, 0.3285, 0.4714 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 66.2374, 0.3285, 0.4714**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2374, 0.3285, 0.4714.



This preview shows how white text looks on a background with the Yxy color 66.2374, 0.3285, 0.4714.

# 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

66.2374, 0.3285, 0.4714

### Protanopia

65.6029, 0.3986, 0.4349

### Deuteranopia

65.1670, 0.4091, 0.4008



## Tritanopia

65.9493, 0.2736, 0.3091

# Trichromacy



## Original Color

66.2374, 0.3285, 0.4714



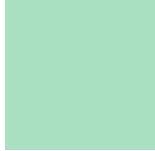
## Protanomaly

64.9031, 0.3706, 0.4483



## Deuteranomaly

64.2071, 0.3770, 0.4254



## Tritanomaly

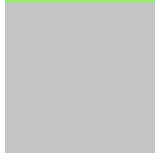
65.6414, 0.2942, 0.3660

# Monochromacy



## Original Color

66.2374, 0.3285, 0.4714



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

58.9028, 0.3200, 0.3808

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2374, 0.3285, 0.4714 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(157, 232, 120)` looks like.

```
.text, #text, p{  
    color:rgb(157, 232, 120)  
}
```

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(157, 232, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 232, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2374, 0.3285, 0.4714 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(157, 232, 120) }
```

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

```
.border{ border-color:rgb(157, 232, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 232, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 232, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 232, 120);  
box-shadow:4px 4px 4px 4px rgb(157, 232,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2374, 0.3285, 0.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 232, 120) }
```

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

```
.background{ background-color: rgb(157,  
232, 120) }
```

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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