

Converting Colors

Yxy(64.6623, 0.3111, 0.4922)

Have a look what the booklet for
Yxy(64.6623, 0.3111, 0.4922)
contains.

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Color

Yxy(64.8940, 0.3109, 0.4921)

Conversions

Conversions Part 1

Format	Color
Hex	7CEB71
RGB	124, 235, 113
RGB Percent	49%, 92%, 44%
CMY	0.5138, 0.0784, 0.5570
CMYK	0.47, 0.00, 0.52, 0.08
HSL	115°, 75%, 68%
HSV	115°, 52%, 92%
XYZ	40.9989, 64.8940, 25.9787
YIQ	187.9030, -26.9940, -61.4740

Conversions

Conversions Part 2

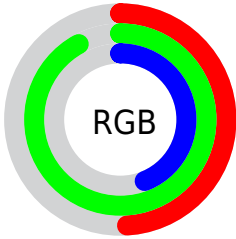
Format	Color
RYB	113, 235, 224
Decimal	8186737
CIELab	84.43, -55.10, 49.11
CIELCh	84, 73.805, 138.289
Yxy	64.8940, 0.3109, 0.4921
Android (android.graphics.Color)	4286376817 (0xFF7CEB71)
YUV	187.9030, -36.9272, -56.0429
Hunter-Lab	80.5568, -50.1280, 37.2694

Details

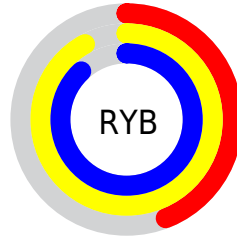
The Yxy color **64.8940, 0.3109, 0.4921** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **33.6480, 0.3080, 0.2007**, and the grayscale version is **50.4553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3773, 0.3173, 0.4300**, and **33.2238, 0.3044, 0.5384** is the 20% darker color. If you saturate the color by 10%, you get **63.0106, 0.3094, 0.5257**, and if you desaturate by 10%, it is **67.2651, 0.3120, 0.4569**.

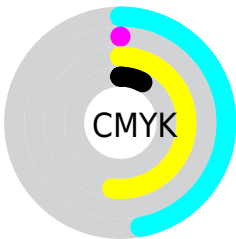
Distribution



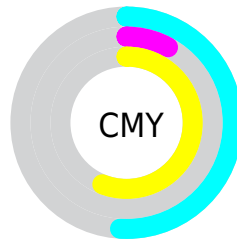
- Red (49%)
- Green (92%)
- Blue (44%)



- Red (44%)
- Yellow (92%)
- Blue (88%)



- Cyan (47%)
- Magenta (0%)
- Yellow (52%)
- Black (8%)




- Cyan (51%)
- Magenta (8%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8940, 0.3109, 0.4921 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 64.8940, 0.3109, 0.4921 by changing the saturation by 10% instead.


 64.8940, 0.3109,
0.4921


 64.8940, 0.3109,
0.4921


442.4110, 0.3161,
0.4096

 47.3751, 0.3083,
0.5124


 111.8974, 0.3138,
0.4622

 33.3323, 0.3042,
0.5380


 142.1508, 0.3146,
0.4510

 22.3811, 0.2976,
0.5710


 177.4178, 0.3151,
0.4414

 14.1372, 0.2864,
0.6147

218.0828, 0.3155,
0.4332

 8.2162, 0.2667,
0.6745

264.5303, 0.3157,
0.4261

 4.2336, 0.2331,
0.7669


317.1445, 0.3159,

 1.8051, 0.0876,


0.4199

0.9124


376.3099, 0.3160,
0.4145


 0.4903, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 64.8940, 0.3109,
0.4921

 64.8940, 0.3109,
0.4921


 63.0106, 0.3094,
0.5257

 67.2651, 0.3120,
0.4569


 61.5733, 0.3075,
0.5551

 70.1460, 0.3126,
0.4222


 60.5473, 0.3053,
0.5779


 73.5669, 0.3129,
0.3897

 59.8887, 0.3031,
0.5924

 77.5537, 0.3130,
0.3601

 59.5824, 0.3017,
0.5987

 82.1304, 0.3128,
0.3337

 87.3196, 0.3124,
0.3106

 87.9006, 0.3136,
0.3097

Harmonies

Analogous

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



64.8940, 0.3959, 0.4913



64.8940, 0.3109, 0.4921



64.8940, 0.2309, 0.4203

Triad

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



64.8940, 0.3109, 0.4921



64.8940, 0.1726, 0.2018



64.8940, 0.4661, 0.3126

Complementary

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



64.8940, 0.3109, 0.4921



33.6480, 0.3080, 0.2007

Split Complementary

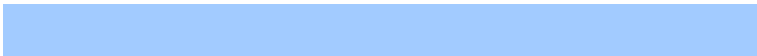
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.8940, 0.3866, 0.2560



64.8940, 0.3109, 0.4921



64.8940, 0.2167, 0.1950

Square

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



64.8940, 0.3109, 0.4921



64.8940, 0.1593, 0.2406



64.8940, 0.2919, 0.2144



64.8940, 0.4938, 0.3763

Rectangle

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



64.8940, 0.3109, 0.4921



64.8940, 0.1917, 0.3511



64.8940, 0.2919, 0.2144



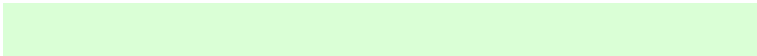
64.8940, 0.4440, 0.2926

Sweetspot

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



64.8967, 0.3109, 0.4921



91.2728, 0.3130, 0.3719



71.5254, 0.3945, 0.4438



19.3244, 0.3130, 0.3781



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.



64.8967, 0.3109, 0.4921



75.7721, 0.3093, 0.5268



65.5305, 0.2811, 0.4283



16.9272, 0.3129, 0.3533



33.1813, 0.3021, 0.5983



2.6278, 0.3073, 0.5942

Inverse Universe

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



33.6480, 0.3080, 0.2007



34.4031, 0.3062, 0.1801



33.0209, 0.3704, 0.2494



15.2406, 0.3124, 0.3057



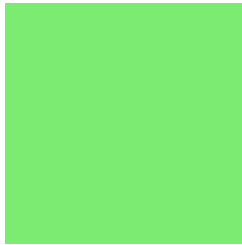
11.3056, 0.2983, 0.1417



0.9080, 0.3017, 0.1435

Previews

White Background



This preview shows how the Yxy color 64.8940, 0.3109, 0.4921 looks on a white background.

Color Contrast Check

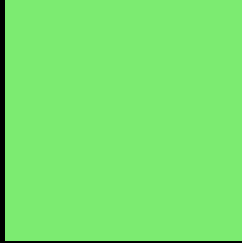
Large Text (above 18pt) WCAG AA × Fail

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 64.8940, 0.3109, 0.4921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

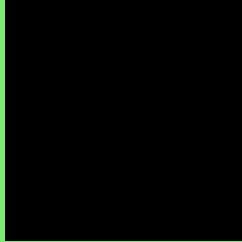
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8940, 0.3109, 0.4921

Background



This preview shows how black text looks on a background with the Yxy color 64.8940, 0.3109, 0.4921.



This preview shows how white text looks on a background with the Yxy color 64.8940, 0.3109, 0.4921.

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

64.8940, 0.3109, 0.4921

Protanopia

63.5893, 0.4041, 0.4412

Deuteranopia

63.9737, 0.4174, 0.4083



Tritanopia

64.3345, 0.2571, 0.3072

Trichromacy



Original Color

64.8940, 0.3109, 0.4921



Protanomaly

62.4108, 0.3658, 0.4615



Deuteranomaly

62.1858, 0.3730, 0.4388



Tritanomaly

63.8184, 0.2774, 0.3717

Monochromacy



Original Color

64.8940, 0.3109, 0.4921



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.2352, 0.3130, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8940, 0.3109, 0.4921 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(124, 235, 113)` looks like.

```
.text, #text, p{  
    color:rgb(124, 235, 113)  
}
```

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(124, 235, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 235, 113) }
```

Border

The CSS property to change the border of an element to Yxy 64.8940, 0.3109, 0.4921 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(124, 235, 113) }
```

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

```
.border{ border-color:rgb(124, 235, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 235, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 235, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 235, 113);  
box-shadow:4px 4px 4px 4px rgb(124, 235,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8940, 0.3109, 0.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 235, 113) }
```

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

```
.background{ background-color: rgb(124,  
235, 113) }
```

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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