

Converting Colors

$Yxy(65.5150, 0.2965, 0.4881)$

Have a look what the booklet for
Yxy(65.5150, 0.2965, 0.4881)
contains.

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Color

Yxy(65.4973, 0.2964, 0.4879)

Conversions

Conversions Part 1

Format	Color
Hex	68EE7A
RGB	104, 238, 122
RGB Percent	41%, 93%, 48%
CMY	0.5924, 0.0666, 0.5216
CMYK	0.56, 0.00, 0.49, 0.07
HSL	128°, 80%, 67%
HSV	128°, 56%, 93%
XYZ	39.7897, 65.4973, 28.9563
YIQ	184.7100, -42.6280, -64.4840

Conversions

Conversions Part 2

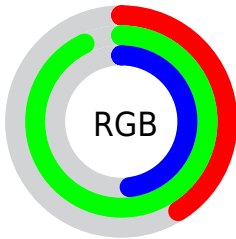
Format	Color
RYB	104, 222, 238
Decimal	6876794
CIELab	84.74, -60.18, 45.07
CIELCh	85, 75.192, 143.170
Yxy	65.4973, 0.2964, 0.4879
Android (android.graphics.Color)	4285066874 (0xFF68EE7A)
YUV	184.7100, -30.9160, -70.7827
Hunter-Lab	80.9304, -53.8681, 35.4378

Details

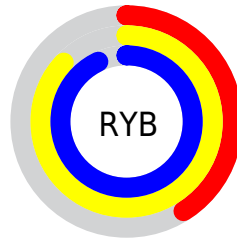
The Yxy color **65.4973, 0.2964, 0.4879** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **33.2292, 0.3370, 0.2108**, and the grayscale version is **48.5297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6539, 0.3021, 0.4224**, and **33.7660, 0.2870, 0.5336** is the 20% darker color. If you saturate the color by 10%, you get **63.8147, 0.2951, 0.5192**, and if you desaturate by 10%, it is **67.6952, 0.2985, 0.4555**.

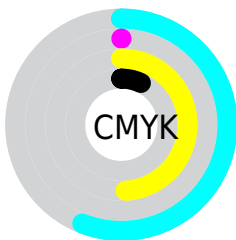
Distribution



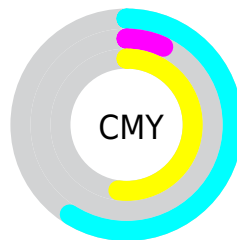
- Red (41%)
- Green (93%)
- Blue (48%)



- Red (41%)
- Yellow (87%)
- Blue (93%)



- Cyan (56%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)



- Cyan (59%)
- Magenta (7%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4973, 0.2964, 0.4879 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 65.4973, 0.2964, 0.4879 by changing the saturation by 10% instead.


 65.4973, 0.2964,
0.4879


 65.4973, 0.2964,
0.4879


444.5769, 0.3080,
0.4071


 47.8644, 0.2925,
0.5080


 112.7645, 0.3014,
0.4585

 33.7195, 0.2869,
0.5335


 143.1677, 0.3031,
0.4475

 22.6782, 0.2785,
0.5668


 178.5964, 0.3044,
0.4381

 14.3561, 0.2655,
0.6115

219.4350, 0.3054,
0.4301

 8.3688, 0.2436,
0.6730

266.0680, 0.3063,
0.4232

 4.3318, 0.2125,
0.7875

318.8797, 0.3070,

 1.8608, 0.0421,

0.4172

0.9579

378.2545, 0.3075,
0.4118

■ 0.5247, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.4973, 0.2964,
0.4879

■ 65.4973, 0.2964,
0.4879

■ 63.8147, 0.2951,
0.5192

■ 67.6952, 0.2985,
0.4555

■ 62.5976, 0.2947,
0.5474


■ 70.4373, 0.3012,
0.4238


■ 61.8003, 0.2954,
0.5703

■ 73.7599, 0.3043,
0.3941


■ 61.3632, 0.2970,
0.5866

■ 77.6938, 0.3075,
0.3669

 61.2610, 0.2975,
0.5909

 82.2679, 0.3107,
0.3428

 87.5088, 0.3138,
0.3216

 89.6362, 0.3135,
0.3127

Harmonies

Analogous

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



65.4973, 0.3833, 0.4983



65.4973, 0.2964, 0.4879



65.4973, 0.2186, 0.4050

Triad

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



65.4973, 0.2964, 0.4879



65.4973, 0.1759, 0.1970



65.4973, 0.4772, 0.3223

Complementary

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



65.4973, 0.2964, 0.4879



33.2292, 0.3370, 0.2108

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.



65.4973, 0.4031, 0.2635



65.4973, 0.2964, 0.4879



65.4973, 0.2256, 0.1948

Square

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



65.4973, 0.2964, 0.4879



65.4973, 0.1576, 0.2303



65.4973, 0.3064, 0.2184



65.4973, 0.4950, 0.3873

Rectangle

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



65.4973, 0.2964, 0.4879



65.4973, 0.1827, 0.3344



65.4973, 0.3064, 0.2184



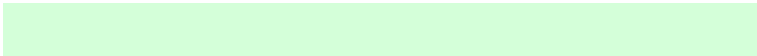
65.4973, 0.4577, 0.3017

Sweetspot

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



65.5000, 0.2964, 0.4879



90.5005, 0.3073, 0.3688



77.3908, 0.3802, 0.4698



19.1619, 0.3066, 0.3741



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.



65.5000, 0.2964, 0.4879



74.3153, 0.2949, 0.5249



67.7624, 0.2643, 0.3941



17.6911, 0.3097, 0.3501



34.1841, 0.2970, 0.5893



2.8546, 0.2917, 0.5702

Inverse Universe

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



33.2292, 0.3370, 0.2108



33.0395, 0.3433, 0.1931



30.3680, 0.4181, 0.2762



15.9926, 0.3159, 0.3088



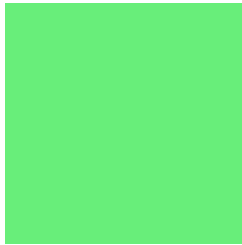
12.6391, 0.3581, 0.1747



1.0615, 0.3525, 0.1716

Previews

White Background



This preview shows how the Yxy color 65.4973, 0.2964, 0.4879 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 65.4973, 0.2964, 0.4879 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

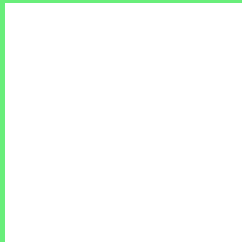
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.4973, 0.2964, 0.4879

Background



This preview shows how black text looks on a background with the Yxy color 65.4973, 0.2964, 0.4879.



This preview shows how white text looks on a background with the Yxy color 65.4973, 0.2964, 0.4879.

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

65.4973, 0.2964, 0.4879

Protanopia

64.2520, 0.3987, 0.4347

Deuteranopia

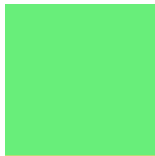
64.0181, 0.4101, 0.4001



Tritanopia

65.3898, 0.2486, 0.3071

Trichromacy



Original Color

65.4973, 0.2964, 0.4879



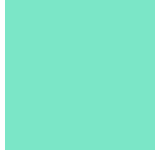
Protanomaly

62.7616, 0.3544, 0.4562



Deuteranomaly

61.7938, 0.3603, 0.4324



Tritanomaly

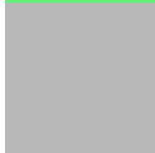
64.9281, 0.2661, 0.3693

Monochromacy



Original Color

65.4973, 0.2964, 0.4879



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.8623, 0.3056, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4973, 0.2964, 0.4879 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(104, 238, 122)` looks like.

```
.text, #text, p{  
    color:rgb(104, 238, 122)  
}
```

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(104, 238, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 238, 122) }
```

Border

The CSS property to change the border of an element to Yxy 65.4973, 0.2964, 0.4879 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(104, 238, 122) }
```

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

```
.border{ border-color:rgb(104, 238, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 238, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 238, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 238, 122);  
box-shadow:4px 4px 4px 4px rgb(104, 238,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4973, 0.2964, 0.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 238, 122) }
```

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

```
.background{ background-color: rgb(104,  
238, 122) }
```

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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