

# Converting Colors

$Yxy(73.5437, 0.2917, 0.4788)$

Have a look what the booklet for  
Yxy(73.5437, 0.2917, 0.4788)  
contains.

|   |    |
|---|----|
| <b>Yxy(73.2746, 0.2920, 0.4788)</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(73.2746, 0.2920, 0.4788)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 6BFA88                       |
| RGB         | 107, 250, 136                |
| RGB Percent | 42%, 98%, 53%                |
| CMY         | 0.5806, 0.0196, 0.4667       |
| CMYK        | 0.57, 0.00, 0.46, 0.02       |
| HSL         | 132°, 93%, 70%               |
| HSV         | 132°, 57%, 98%               |
| XYZ         | 44.6871, 73.2746, 35.0763    |
| YIQ         | 194.2470, -48.6340, -65.7700 |

# Conversions

## Conversions Part 2

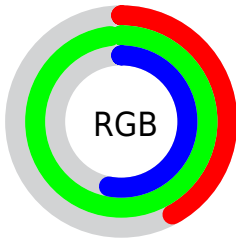
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">107, 226, 250</a>                |
| Decimal                             | <a href="#">7076488</a>                      |
| CIELab                              | <a href="#">88.58, -61.98, 43.20</a>         |
| CIELCh                              | <a href="#">89, 75.550, 145.119</a>          |
| Yxy                                 | <a href="#">73.2746, 0.2920, 0.4788</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4285266568<br/>(0xFF6BFA88)</a>  |
| YUV                                 | <a href="#">194.2470, -28.7158, -76.5156</a> |
| Hunter-Lab                          | <a href="#">85.6006, -56.6165, 35.6253</a>   |

# Details

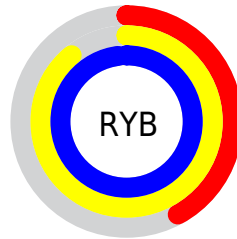
The Yxy color **73.2746, 0.2920, 0.4788** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.0481, 0.3476, 0.2171**, and the grayscale version is **54.2900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6064, 0.2960, 0.4037**, and **38.6307, 0.2825, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **71.4318, 0.2907, 0.5087**, and if you desaturate by 10%, it is **75.6765, 0.2944, 0.4484**.

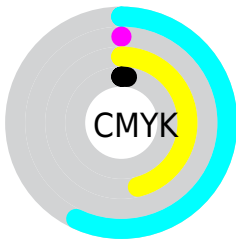
# Distribution



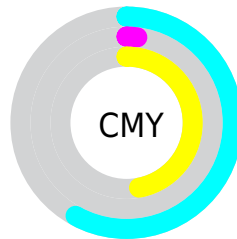
- Red (42%)
- Green (98%)
- Blue (53%)



- Red (42%)
- Yellow (89%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (46%)
- Black (2%)



- Cyan (58%)
- Magenta (2%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2746, 0.2920, 0.4788 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 73.2746, 0.2920, 0.4788 by changing the saturation by 10% instead.




 73.2746, 0.2920,  
0.4788


 73.2746, 0.2920,  
0.4788

471.9660, 0.3050,  
0.4040

 54.2005, 0.2880,  
0.4970


 123.8670, 0.2973,  
0.4519

 38.7620, 0.2826,  
0.5200


 156.1540, 0.2991,  
0.4417

 26.5746, 0.2749,  
0.5499


 193.6143, 0.3006,  
0.4330

 17.2540, 0.2632,  
0.5896

236.6320, 0.3018,  
0.4256

 10.4158, 0.2447,  
0.6443

285.5916, 0.3028,  
0.4191

 5.6755, 0.2157,  
0.7298


340.8776, 0.3037,

 2.6488, 0.1430,


0.4135


0.8570


402.8742, 0.3044,  
0.4085


 0.9512, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.2746, 0.2920,  
0.4788


 73.2746, 0.2920,  
0.4788


 71.4318, 0.2907,  
0.5087


 75.6765, 0.2944,  
0.4484


 70.0933, 0.2906,  
0.5362


 78.6689, 0.2977,  
0.4189


 69.2089, 0.2919,  
0.5598

 82.2915, 0.3015,  
0.3913

 68.7112, 0.2943,  
0.5779

 86.5778, 0.3055,  
0.3661

 68.6149, 0.2950,  
0.5819

 91.5591, 0.3097,  
0.3436

 96.8580, 0.3129,  
0.3243

# Harmonies

## Analogous

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



73.2746, 0.3767, 0.4946



73.2746, 0.2920, 0.4788



73.2746, 0.2175, 0.3959

# Triad

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



73.2746, 0.2920, 0.4788



73.2746, 0.1817, 0.1995



73.2746, 0.4750, 0.3271

# Complementary

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



73.2746, 0.2920, 0.4788



36.0481, 0.3476, 0.2171

# 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.



73.2746, 0.4061, 0.2688



73.2746, 0.2920, 0.4788



73.2746, 0.2324, 0.1990

# Square

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



73.2746, 0.2920, 0.4788



73.2746, 0.1617, 0.2302



73.2746, 0.3127, 0.2236



73.2746, 0.4889, 0.3908



# Rectangle

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



73.2746, 0.2920, 0.4788



73.2746, 0.1838, 0.3283



73.2746, 0.3127, 0.2236



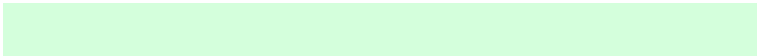
73.2746, 0.4572, 0.3068

# Sweetspot

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



73.2776, 0.2920, 0.4788



90.6564, 0.3056, 0.3656



84.8730, 0.3743, 0.4757



19.1983, 0.3048, 0.3704



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.



73.2776, 0.2920, 0.4788



74.4170, 0.2906, 0.5140



76.0097, 0.2594, 0.3828



19.3669, 0.3088, 0.3485



36.4082, 0.2944, 0.5797



3.3865, 0.2886, 0.5590



# Inverse Universe

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



36.0481, 0.3476, 0.2171



31.9882, 0.3571, 0.2009



33.0272, 0.4336, 0.2854



17.4606, 0.3169, 0.3103



12.9950, 0.3801, 0.1868

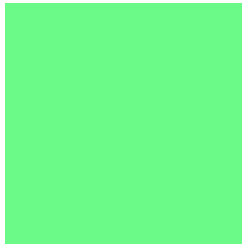


1.2183, 0.3717, 0.1821



# Previews

## White Background



This preview shows how the Yxy color 73.2746, 0.2920, 0.4788 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 73.2746, 0.2920, 0.4788 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

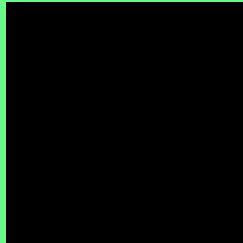
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.2746, 0.2920, 0.4788**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2746, 0.2920, 0.4788.



This preview shows how white text looks on a background with the Yxy color 73.2746, 0.2920, 0.4788.

# 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

73.2746, 0.2920, 0.4788

### Protanopia

72.0708, 0.3937, 0.4288

### Deuteranopia

71.6385, 0.3785, 0.3766



## Tritanopia

72.7864, 0.2481, 0.3069

# Trichromacy



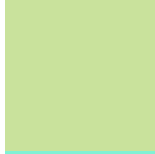
## Original Color

73.2746, 0.2920, 0.4788



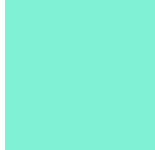
## Protanomaly

70.6357, 0.3492, 0.4500



## Deuteranomaly

69.2105, 0.3404, 0.4113



## Tritanomaly

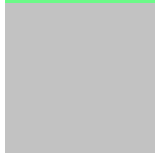
72.2533, 0.2639, 0.3650

# Monochromacy



## Original Color

73.2746, 0.2920, 0.4788



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

58.7916, 0.3024, 0.3825

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2746, 0.2920, 0.4788 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(107, 250, 136)` looks like.

```
.text, #text, p{  
    color:rgb(107, 250, 136)  
}
```

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(107, 250, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 250, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2746, 0.2920, 0.4788 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(107, 250, 136) }
```

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

```
.border{ border-color:rgb(107, 250, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 250, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 250, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 250, 136);  
box-shadow:4px 4px 4px 4px rgb(107, 250,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2746, 0.2920, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 250, 136) }
```

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

```
.background{ background-color: rgb(107,  
250, 136) }
```

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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