

# Converting Colors

$Yxy(72.4069, 0.2988, 0.5054)$

Have a look what the booklet for  
Yxy(72.4069, 0.2988, 0.5054)  
contains.

<b>Yxy(72.4926, 0.2991, 0.5058)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(72.4926, 0.2991, 0.5058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67FA73
RGB	103, 250, 115
RGB Percent	40%, 98%, 45%
CMY	0.5964, 0.0196, 0.5489
CMYK	0.59, 0.00, 0.54, 0.02
HSL	125°, 94%, 69%
HSV	125°, 59%, 98%
XYZ	42.8678, 72.4926, 27.9623
YIQ	190.6570, -44.2770, -73.1490

# Conversions

## Conversions Part 2

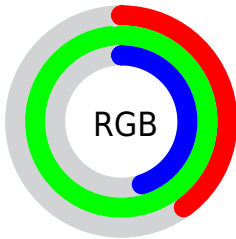
Format	Color
<a href="#">RYB</a>	<a href="#">103, 239, 250</a>
Decimal	<a href="#">6814323</a>
CIELab	<a href="#">88.21, -65.72, 52.54</a>
CIElCh	<a href="#">88, 84.137, 141.359</a>
Yxy	<a href="#">72.4926, 0.2991, 0.5058</a>
Android (android.graphics.Color)	<a href="#">4285004403 (0xFF67FA73)</a>
YUV	<a href="#">190.6570, -37.2989, -76.8752</a>
Hunter-Lab	<a href="#">85.1426, -59.1279, 40.1280</a>

# Details

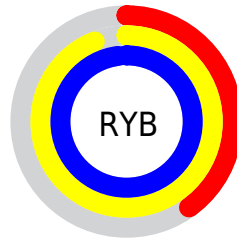
The Yxy color **72.4926, 0.2991, 0.5058** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.1765, 0.3307, 0.2004**, and the grayscale version is **52.1211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5293, 0.3057, 0.4295**, and **38.1572, 0.2890, 0.5533** is the 20% darker color. If you saturate the color by 10%, you get **70.7689, 0.2980, 0.5371**, and if you desaturate by 10%, it is **74.7955, 0.3009, 0.4721**.

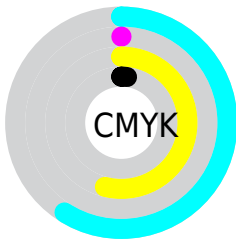
# Distribution



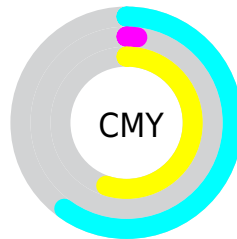
- Red (40%)
- Green (98%)
- Blue (45%)



- Red (40%)
- Yellow (94%)
- Blue (98%)



- Cyan (59%)
- Magenta (0%)
- Yellow (54%)
- Black (2%)




- Cyan (60%)
- Magenta (2%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4926, 0.2991, 0.5058 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 72.4926, 0.2991, 0.5058 by changing the saturation by 10% instead.





 72.4926, 0.2991,  
0.5058


 72.4926, 0.2991,  
0.5058


469.2544, 0.3104,  
0.4173


 53.5612, 0.2950,  
0.5272


 122.7566, 0.3042,  
0.4740

 38.2509, 0.2892,  
0.5540


 154.8580, 0.3058,  
0.4619

 26.1775, 0.2805,  
0.5884


 192.1182, 0.3070,  
0.4517

 16.9565, 0.2668,  
0.6332

234.9215, 0.3080,  
0.4429

 10.2035, 0.2443,  
0.6924

283.6524, 0.3088,  
0.4352

 5.5341, 0.2109,  
0.7891

338.6952, 0.3094,

 2.5639, 0.1083,

0.4285

0.8917

400.4344, 0.3099,  
0.4226

0.9086, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

72.4926, 0.2991,  
0.5058

72.4926, 0.2991,  
0.5058

70.7689, 0.2980,  
0.5371

74.7955, 0.3009,  
0.4721

69.5645, 0.2976,  
0.5635


77.7130, 0.3031,  
0.4383


68.8230, 0.2979,  
0.5831


81.2886, 0.3055,  
0.4061

68.4602, 0.2988,  
0.5949

85.5589, 0.3081,  
0.3764

 68.4311, 0.2989,  
0.5959

 90.5582, 0.3106,  
0.3498

 96.3181, 0.3130,  
0.3264

 96.8584, 0.3129,  
0.3243

# Harmonies

## Analogous

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



72.4926, 0.3915, 0.5091



72.4926, 0.2991, 0.5058



72.4926, 0.2152, 0.4186

# Triad

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



72.4926, 0.2991, 0.5058



72.4926, 0.1652, 0.1893



72.4926, 0.4871, 0.3163

# Complementary

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



72.4926, 0.2991, 0.5058



36.1765, 0.3307, 0.2004

# 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.



72.4926, 0.4039, 0.2553



72.4926, 0.2991, 0.5058



72.4926, 0.2152, 0.1857

# Square

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



72.4926, 0.2991, 0.5058



72.4926, 0.1478, 0.2258



72.4926, 0.2994, 0.2091



72.4926, 0.5090, 0.3843



# Rectangle

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



72.4926, 0.2991, 0.5058



72.4926, 0.1761, 0.3406



72.4926, 0.2994, 0.2091



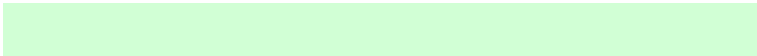
72.4926, 0.4649, 0.2949

# Sweetspot

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



72.4956, 0.2991, 0.5058



89.8880, 0.3083, 0.3741



87.9172, 0.3895, 0.4714



18.9409, 0.3076, 0.3824



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.



72.4956, 0.2991, 0.5058



73.6929, 0.2978, 0.5435



74.8137, 0.2674, 0.4112



19.3324, 0.3104, 0.3515



36.3023, 0.2985, 0.5947



3.3699, 0.2952, 0.5828



# Inverse Universe

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



36.1765, 0.3307, 0.2004



32.4471, 0.3348, 0.1828



32.7872, 0.4129, 0.2644



17.4984, 0.3151, 0.3075



13.8035, 0.3428, 0.1662

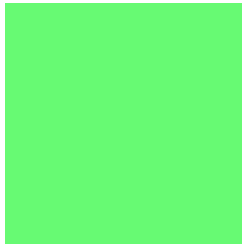


1.2855, 0.3399, 0.1646



# Previews

## White Background



This preview shows how the Yxy color 72.4926, 0.2991, 0.5058 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 72.4926, 0.2991, 0.5058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

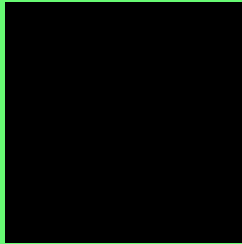
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.4926, 0.2991, 0.5058**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4926, 0.2991, 0.5058.

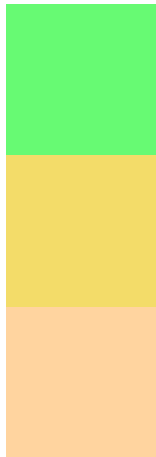


This preview shows how white text looks on a background with the Yxy color 72.4926, 0.2991, 0.5058.

# 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

72.4926, 0.2991, 0.5058

### Protanopia

71.2610, 0.4068, 0.4452

### Deuteranopia

70.8502, 0.3848, 0.3838



## Tritanopia

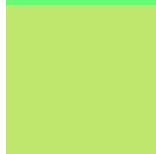
71.8908, 0.2471, 0.3067

# Trichromacy



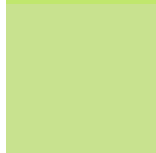
## Original Color

72.4926, 0.2991, 0.5058



## Protanomaly

69.4624, 0.3595, 0.4706



## Deuteranomaly

68.6552, 0.3478, 0.4266



## Tritanomaly

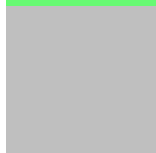
70.9919, 0.2667, 0.3757

# Monochromacy



## Original Color

72.4926, 0.2991, 0.5058



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

57.1022, 0.3068, 0.3941

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4926, 0.2991, 0.5058 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(103, 250, 115)` looks like.

```
.text, #text, p{  
    color:rgb(103, 250, 115)  
}
```

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(103, 250, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 250, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4926, 0.2991, 0.5058 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(103, 250, 115) }
```

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

```
.border{ border-color:rgb(103, 250, 115) }
```

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

Here you see how a box with a 4 pixel rgb(103, 250, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 250, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 250, 115);  
box-shadow:4px 4px 4px 4px rgb(103, 250,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4926, 0.2991, 0.5058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 250, 115) }
```

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

```
.background{ background-color: rgb(103,  
250, 115) }
```

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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