

Converting Colors

Yxy(71.5704, 0.2997, 0.5118)

Have a look what the booklet for
Yxy(71.5704, 0.2997, 0.5118)
contains.

Yxy(71.5865, 0.2998, 0.5117)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.5865, 0.2998, 0.5117)

Conversions

Conversions Part 1

Format	Color
Hex	64F96E
RGB	100, 249, 110
RGB Percent	39%, 98%, 43%
CMY	0.6081, 0.0235, 0.5684
CMYK	0.60, 0.00, 0.56, 0.02
HSL	124°, 93%, 68%
HSV	124°, 60%, 98%
XYZ	41.9418, 71.5865, 26.3710
YIQ	188.6030, -44.1850, -74.8170

Conversions

Conversions Part 2

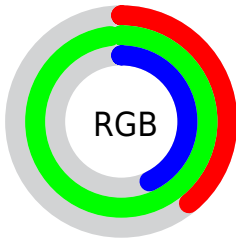
Format	Color
RYB	100, 240, 249
Decimal	6617454
CIELab	87.77, -66.62, 54.25
CIELCh	88, 85.910, 140.845
Yxy	71.5865, 0.2998, 0.5117
Android (android.graphics.Color)	4284807534 (0xFF64F96E)
YUV	188.6030, -38.7513, -77.7048
Hunter-Lab	84.6088, -59.5803, 40.7465

Details

The Yxy color **71.5865, 0.2998, 0.5117** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **35.4684, 0.3289, 0.1971**, and the grayscale version is **50.8882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0231, 0.3066, 0.4361**, and **37.5600, 0.2895, 0.5614** is the 20% darker color. If you saturate the color by 10%, you get **69.9398, 0.2987, 0.5426**, and if you desaturate by 10%, it is **73.8052, 0.3015, 0.4779**.

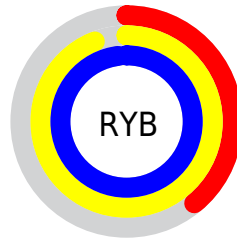
Distribution



Red (39%)

Green (98%)

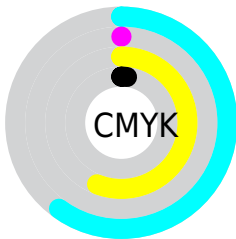
Blue (43%)



Red (39%)

Yellow (94%)

Blue (98%)

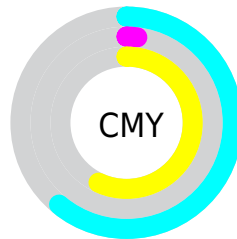


Cyan (60%)

Magenta (0%)

Yellow (56%)

Black (2%)



Cyan (61%)


Magenta (2%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5865, 0.2998, 0.5117 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 71.5865, 0.2998, 0.5117 by changing the saturation by 10% instead.


 71.5865, 0.2998,
0.5117

 71.5865, 0.2998,
0.5117


466.1011, 0.3111,
0.4201


 52.8210, 0.2956,
0.5339


 121.4685, 0.3050,
0.4788

 37.6599, 0.2895,
0.5616


 153.3537, 0.3066,
0.4663

 25.7188, 0.2803,
0.5971


 190.3809, 0.3079,
0.4556

 16.6134, 0.2658,
0.6431

232.9345, 0.3089,
0.4465

 9.9592, 0.2421,
0.7041

281.3990, 0.3096,
0.4386

 5.3719, 0.2046,
0.7954

336.1586, 0.3102,

 2.4671, 0.0898,

0.4316

0.9102

397.5979, 0.3107,
0.4255

0.8601, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.5865, 0.2998,
0.5117

71.5865, 0.2998,
0.5117

69.9398, 0.2987,
0.5426

73.8052, 0.3015,
0.4779

68.8046, 0.2982,
0.5682


76.6322, 0.3036,
0.4436


68.1229, 0.2985,
0.5864

80.1112, 0.3059,
0.4106


67.8005, 0.2991,
0.5967

84.2794, 0.3082,
0.3801

 67.7974, 0.2991,
0.5968

 89.1710, 0.3105,
0.3528

 94.8182, 0.3127,
0.3287

 96.2373, 0.3130,
0.3233

Harmonies

Analogous

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



71.5865, 0.3940, 0.5126



71.5865, 0.2998, 0.5117



71.5865, 0.2140, 0.4231

Triad

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



71.5865, 0.2998, 0.5117



71.5865, 0.1618, 0.1868



71.5865, 0.4904, 0.3144

Complementary

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



71.5865, 0.2998, 0.5117



35.4684, 0.3289, 0.1971

Split Complementary

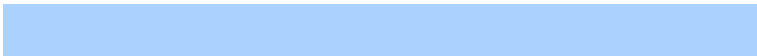
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.5865, 0.4043, 0.2526



71.5865, 0.2998, 0.5117



71.5865, 0.2119, 0.1828

Square

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



71.5865, 0.2998, 0.5117



71.5865, 0.1446, 0.2243



71.5865, 0.2971, 0.2061



71.5865, 0.5135, 0.3833

Rectangle

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



71.5865, 0.2998, 0.5117



71.5865, 0.1739, 0.3426



71.5865, 0.2971, 0.2061



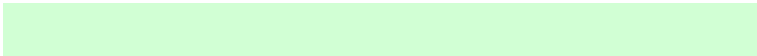
71.5865, 0.4673, 0.2928

Sweetspot

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



71.5895, 0.2998, 0.5117



89.8542, 0.3087, 0.3748



87.0391, 0.3904, 0.4733



18.9328, 0.3080, 0.3832



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.



71.5895, 0.2998, 0.5117



73.5126, 0.2985, 0.5489



73.9405, 0.2670, 0.4129



19.3283, 0.3106, 0.3518



36.2948, 0.2988, 0.5958



3.3680, 0.2960, 0.5858

Inverse Universe

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



35.4684, 0.3289, 0.1971



32.2610, 0.3324, 0.1798



31.9422, 0.4156, 0.2636



17.5030, 0.3148, 0.3072



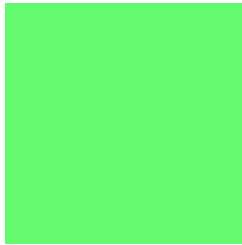
13.9110, 0.3387, 0.1640



1.2943, 0.3364, 0.1627

Previews

White Background



This preview shows how the Yxy color 71.5865, 0.2998, 0.5117 looks on a white background.

Color Contrast Check

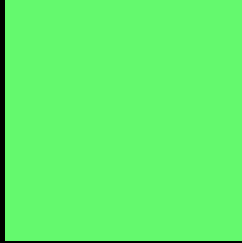
Large Text (above 18pt) WCAG AA × Fail

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 71.5865, 0.2998, 0.5117 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 71.5865, 0.2998, 0.5117

Background



This preview shows how black text looks on a background with the Yxy color 71.5865, 0.2998, 0.5117.

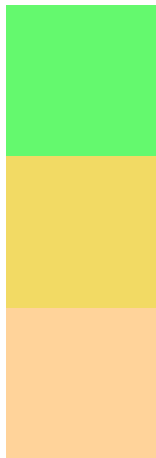


This preview shows how white text looks on a background with the Yxy color 71.5865, 0.2998, 0.5117.

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

71.5865, 0.2998, 0.5117

Protanopia

69.9402, 0.4099, 0.4480

Deuteranopia

70.1816, 0.3889, 0.3878



Tritanopia

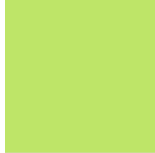
71.0884, 0.2464, 0.3066

Trichromacy



Original Color

71.5865, 0.2998, 0.5117



Protanomaly

67.9852, 0.3613, 0.4747



Deuteranomaly

67.8275, 0.3505, 0.4317



Tritanomaly

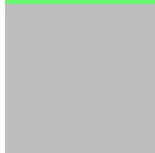
70.0876, 0.2662, 0.3774

Monochromacy



Original Color

71.5865, 0.2998, 0.5117



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.2947, 0.3074, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5865, 0.2998, 0.5117 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(100, 249, 110)` looks like.

```
.text, #text, p{  
    color:rgb(100, 249, 110)  
}
```

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(100, 249, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 249, 110) }
```

Border

The CSS property to change the border of an element to Yxy 71.5865, 0.2998, 0.5117 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(100, 249, 110) }
```

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

```
.border{ border-color:rgb(100, 249, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 249, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 249, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 249, 110); box-shadow:4px 4px 4px 4px rgb(100, 249, 110) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5865, 0.2998, 0.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 249, 110) }
```

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

```
.background{ background-color: rgb(100,  
249, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor