

Converting Colors

Yxy(57.1356, 0.3070, 0.4603)

Have a look what the booklet for
Yxy(57.1356, 0.3070, 0.4603)
contains.

| | |
|--|----|
| Yxy(57.2048, 0.3071, 0.4610) | 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(57.2048, 0.3071, 0.4610)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7FDC7E |
| RGB | 127, 220, 126 |
| RGB Percent | 50%, 86%, 49% |
| CMY | 0.5021, 0.1372, 0.5058 |
| CMYK | 0.42, 0.00, 0.43, 0.14 |
| HSL | 119°, 57%, 68% |
| HSV | 119°, 43%, 86% |
| XYZ | 38.1076, 57.2048, 28.7761 |
| YIQ | 181.4770, -25.2540, -48.9500 |

Conversions

Conversions Part 2

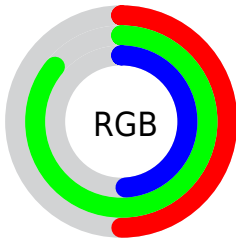
| Format | Color |
|-------------------------------------|--|
| RYB | 126, 220, 219 |
| Decimal | 8379518 |
| CIELab | 80.29, -46.37, 37.68 |
| CIElCh | 80, 59.750, 140.907 |
| Yxy | 57.2048, 0.3071, 0.4610 |
| Android (android.graphics.Color) | 4286569598 (0xFF7FDC7E) |
| YUV | 181.4770, -27.3502, -47.7763 |
| Hunter-Lab | 75.6339, -42.4233, 30.3859 |

Details

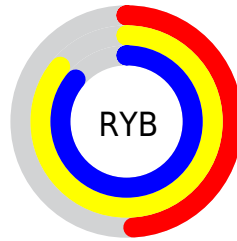
The Yxy color **57.2048, 0.3071, 0.4610** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.1637, 0.3167, 0.2244**, and the grayscale version is **46.6384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0056, 0.3111, 0.4147**, and **28.3610, 0.3013, 0.5005** is the 20% darker color. If you saturate the color by 10%, you get **55.2054, 0.3055, 0.4968**, and if you desaturate by 10%, it is **59.6953, 0.3087, 0.4256**.

Distribution



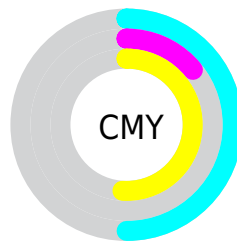
- Red (50%)
- Green (86%)
- Blue (49%)



- Red (49%)
- Yellow (86%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (43%)
- Black (14%)



- Cyan (50%)
- Magenta (14%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2048, 0.3071, 0.4610 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 57.2048, 0.3071, 0.4610 by changing the saturation by 10% instead.


 57.2048, 0.3071,
0.4610


 57.2048, 0.3071,
0.4610

414.2163, 0.3126,
0.3931

 41.1697, 0.3049,
0.4783

 100.7640, 0.3097,
0.4360

 28.4517, 0.3015,
0.5005


 129.0568, 0.3105,
0.4267

 18.6664, 0.2961,
0.5300


 162.2043, 0.3111,
0.4189

 11.4295, 0.2871,
0.5706

200.5910, 0.3116,
0.4122

 6.3565, 0.2703,
0.6289

244.6011, 0.3119,
0.4064

 3.0630, 0.2487,
0.7513

294.6191, 0.3122,

 1.1647, 0.0000,

0.4014

1.0000

351.0293, 0.3124,
0.3970

■ 0.0326, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2048, 0.3071,
0.4610

■ 57.2048, 0.3071,
0.4610

■ 55.2054, 0.3055,
0.4968

■ 59.6953, 0.3087,
0.4256

■ 53.6582, 0.3039,
0.5307


■ 62.6985, 0.3101,
0.3924

■ 52.5298, 0.3024,
0.5599


■ 66.2437, 0.3114,
0.3623


■ 51.7795, 0.3013,
0.5817

■ 70.3557, 0.3124,
0.3357

 51.3582, 0.3005,
0.5949

 75.0577, 0.3134,
0.3124

 51.2058, 0.3002,
0.5999

 79.6715, 0.3143,
0.2950

Harmonies

Analogous

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



57.2048, 0.3810, 0.4695



57.2048, 0.3071, 0.4610



57.2048, 0.2387, 0.3979

Triad

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



57.2048, 0.3071, 0.4610



57.2048, 0.1929, 0.2175



57.2048, 0.4464, 0.3217

Complementary

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



57.2048, 0.3071, 0.4610



35.1637, 0.3167, 0.2244

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.



57.2048, 0.3826, 0.2702



57.2048, 0.3071, 0.4610



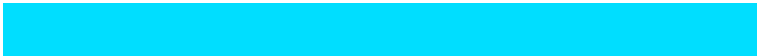
57.2048, 0.2349, 0.2127

Square

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



57.2048, 0.3071, 0.4610



57.2048, 0.1789, 0.2504



57.2048, 0.3025, 0.2316



57.2048, 0.4671, 0.3786

Rectangle

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



57.2048, 0.3071, 0.4610



57.2048, 0.2055, 0.3415



57.2048, 0.3025, 0.2316



57.2048, 0.4290, 0.3035

Sweetspot

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



57.2072, 0.3071, 0.4610



92.3444, 0.3113, 0.3634



67.0969, 0.3768, 0.4324



19.5166, 0.3110, 0.3698



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.



57.2072, 0.3071, 0.4610



77.4545, 0.3057, 0.4922



58.5856, 0.2810, 0.3957



14.6124, 0.3117, 0.3532



30.0520, 0.3002, 0.5998



1.9492, 0.3009, 0.5993

Inverse Universe

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



35.1637, 0.3167, 0.2244



42.8877, 0.3173, 0.2058



33.2214, 0.3653, 0.2716



13.2678, 0.3136, 0.3060



11.7647, 0.3184, 0.1528



0.7644, 0.3189, 0.1530

Previews

White Background



This preview shows how the Yxy color 57.2048, 0.3071, 0.4610 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 57.2048, 0.3071, 0.4610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

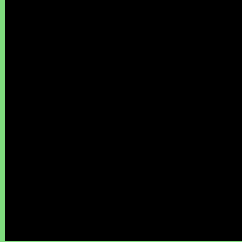
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.2048, 0.3071, 0.4610

Background



This preview shows how black text looks on a background with the Yxy color 57.2048, 0.3071, 0.4610.



This preview shows how white text looks on a background with the Yxy color 57.2048, 0.3071, 0.4610.

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

57.2048, 0.3071, 0.4610

Protanopia

56.4479, 0.3892, 0.4218

Deuteranopia

56.0932, 0.3999, 0.3910



Tritanopia

56.7510, 0.2610, 0.3075

Trichromacy



Original Color

57.2048, 0.3071, 0.4610



Protanomaly

55.7134, 0.3553, 0.4371



Deuteranomaly

54.7906, 0.3623, 0.4161



Tritanomaly

56.3365, 0.2781, 0.3597

Monochromacy



Original Color

57.2048, 0.3071, 0.4610



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.1805, 0.3105, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2048, 0.3071, 0.4610 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(127, 220, 126)` looks like.

```
.text, #text, p{  
    color:rgb(127, 220, 126)  
}
```

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(127, 220, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 220, 126) }
```

Border

The CSS property to change the border of an element to Yxy 57.2048, 0.3071, 0.4610 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(127, 220, 126) }
```

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

```
.border{ border-color:rgb(127, 220, 126) }
```

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

Here you see how a box with a 4 pixel rgb(127, 220, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 220, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 220, 126);  
box-shadow:4px 4px 4px 4px rgb(127, 220,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2048, 0.3071, 0.4610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 220, 126) }
```

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

```
.background{ background-color: rgb(127,  
220, 126) }
```

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