

Converting Colors

Yxy(58.0449, 0.3053, 0.4644)

Have a look what the booklet for
Yxy(58.0449, 0.3053, 0.4644)
contains.

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Color

Yxy(58.0340, 0.3052, 0.4637)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7CDE7E |
| RGB | 124, 222, 126 |
| RGB Percent | 49%, 87%, 49% |
| CMY | 0.5138, 0.1294, 0.5059 |
| CMYK | 0.44, 0.00, 0.43, 0.13 |
| HSL | 121°, 60%, 68% |
| HSV | 121°, 44%, 87% |
| XYZ | 38.1971, 58.0340, 28.9231 |
| YIQ | 181.7540, -27.5920, -50.6320 |

Conversions

Conversions Part 2

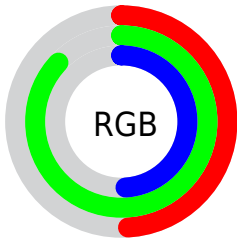
| Format | Color |
|-------------------------------------|--|
| RYB | 124, 220, 222 |
| Decimal | 8183422 |
| CIELab | 80.76, -48.08, 38.26 |
| CIELCh | 81, 61.445, 141.491 |
| Yxy | 58.0340, 0.3052, 0.4637 |
| Android (android.graphics.Color) | 4286373502 (0xFF7CDE7E) |
| YUV | 181.7540, -27.4867, -50.6503 |
| Hunter-Lab | 76.1800, -43.8143, 30.8155 |

Details

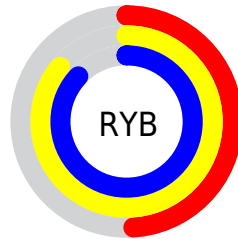
The Yxy color **58.0340, 0.3052, 0.4637** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.1097, 0.3197, 0.2233**, and the grayscale version is **46.8006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6390, 0.3093, 0.4151**, and **28.9387, 0.2987, 0.5039** is the 20% darker color. If you saturate the color by 10%, you get **56.0630, 0.3035, 0.4991**, and if you desaturate by 10%, it is **60.5042, 0.3070, 0.4287**.

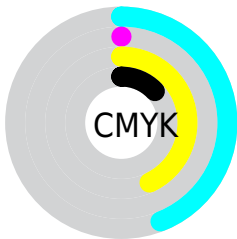
Distribution



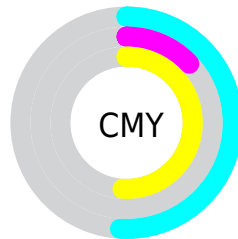
- Red (49%)
- Green (87%)
- Blue (49%)



- Red (49%)
- Yellow (86%)
- Blue (87%)



- Cyan (44%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)





- Cyan (51%)
- Magenta (13%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0340, 0.3052, 0.4637 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 58.0340, 0.3052, 0.4637 by changing the saturation by 10% instead.


 58.0340, 0.3052,
0.4637


 58.0340, 0.3052,
0.4637


417.3126, 0.3117,
0.3945


 41.8360, 0.3027,
0.4813


 101.9724, 0.3082,
0.4383

 28.9729, 0.2990,
0.5039

 130.4815, 0.3091,
0.4288

 19.0603, 0.2932,
0.5339


 163.8632, 0.3098,
0.4208

 11.7139, 0.2835,
0.5750

202.5017, 0.3104,
0.4140

 6.5492, 0.2660,
0.6339

246.7815, 0.3108,
0.4081

 3.1818, 0.2431,
0.7569

297.0870, 0.3112,

 1.2274, 0.0000,

0.4030

1.0000

353.8026, 0.3114,
0.3984

■ 0.0839, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0340, 0.3052,
0.4637

■ 58.0340, 0.3052,
0.4637

■ 56.0630, 0.3035,
0.4991

■ 60.5042, 0.3070,
0.4287

■ 54.5505, 0.3019,
0.5324


■ 63.4964, 0.3088,
0.3957


■ 53.4617, 0.3008,
0.5609


■ 67.0410, 0.3105,
0.3657

■ 52.7534, 0.3001,
0.5822

■ 71.1637, 0.3121,
0.3390

 52.3730, 0.2998,
0.5950

 75.8888, 0.3135,
0.3158

 52.2563, 0.2997,
0.5990

 80.7263, 0.3142,
0.2970

Harmonies

Analogous

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



58.0340, 0.3807, 0.4731



58.0340, 0.3052, 0.4637



58.0340, 0.2358, 0.3979

Triad

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



58.0340, 0.3052, 0.4637



58.0340, 0.1911, 0.2148



58.0340, 0.4504, 0.3223

Complementary

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



58.0340, 0.3052, 0.4637



35.1097, 0.3197, 0.2233

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.



58.0340, 0.3857, 0.2698



58.0340, 0.3052, 0.4637



58.0340, 0.2343, 0.2106

Square

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



58.0340, 0.3052, 0.4637



58.0340, 0.1763, 0.2475



58.0340, 0.3037, 0.2303



58.0340, 0.4704, 0.3803

Rectangle

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



58.0340, 0.3052, 0.4637



58.0340, 0.2024, 0.3399



58.0340, 0.3037, 0.2303



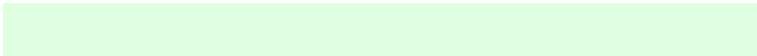
58.0340, 0.4329, 0.3039

Sweetspot

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



58.0364, 0.3052, 0.4637



92.3282, 0.3107, 0.3627



68.9752, 0.3768, 0.4376



19.5127, 0.3104, 0.3690



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.



58.0364, 0.3052, 0.4637



76.9228, 0.3036, 0.4965



59.6109, 0.2783, 0.3937



15.3418, 0.3113, 0.3527



31.0390, 0.2996, 0.5986



2.1531, 0.2985, 0.5946

Inverse Universe

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



35.1097, 0.3197, 0.2233



41.7001, 0.3211, 0.2043



32.8964, 0.3717, 0.2734



13.9306, 0.3141, 0.3064



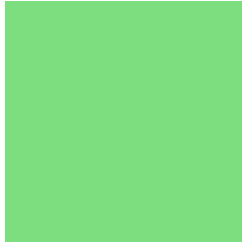
12.2163, 0.3261, 0.1570



0.8483, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 58.0340, 0.3052, 0.4637 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 58.0340, 0.3052, 0.4637 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 58.0340, 0.3052, 0.4637

Background



This preview shows how black text looks on a background with the Yxy color 58.0340, 0.3052, 0.4637.



This preview shows how white text looks on a background with the Yxy color 58.0340, 0.3052, 0.4637.

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

58.0340, 0.3052, 0.4637

Protanopia

57.0366, 0.3902, 0.4236

Deuteranopia

57.3058, 0.4006, 0.3927



Tritanopia

57.6590, 0.2592, 0.3075

Trichromacy



Original Color

58.0340, 0.3052, 0.4637



Protanomaly

56.1721, 0.3556, 0.4393



Deuteranomaly

55.7231, 0.3616, 0.4182



Tritanomaly

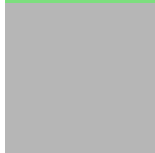
57.1292, 0.2759, 0.3611

Monochromacy



Original Color

58.0340, 0.3052, 0.4637



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.1182, 0.3097, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0340, 0.3052, 0.4637 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(124, 222, 126)` looks like.

```
.text, #text, p{  
    color:rgb(124, 222, 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(124, 222, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 222, 126) }
```

Border

The CSS property to change the border of an element to Yxy 58.0340, 0.3052, 0.4637 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(124, 222, 126) }
```

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

```
.border{ border-color:rgb(124, 222, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 222, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 222, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 222, 126);  
box-shadow:4px 4px 4px 4px rgb(124, 222,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0340, 0.3052, 0.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 222, 126) }
```

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

```
.background{ background-color: rgb(124,  
222, 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](#).

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