

Converting Colors

$Yxy(58.3599, 0.3045, 0.4554)$

Have a look what the booklet for
Yxy(58.3599, 0.3045, 0.4554)
contains.

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Color

Yxy(58.3933, 0.3043, 0.4560)

Conversions

Conversions Part 1

Format	Color
Hex	7FDE83
RGB	127, 222, 131
RGB Percent	50%, 87%, 51%
CMY	0.5021, 0.1294, 0.4862
CMYK	0.43, 0.00, 0.41, 0.13
HSL	123°, 59%, 68%
HSV	123°, 43%, 87%
XYZ	38.9673, 58.3933, 30.6949
YIQ	183.2210, -27.4090, -48.4410

Conversions

Conversions Part 2

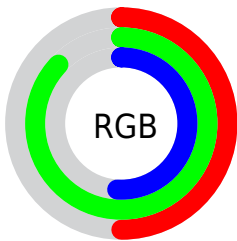
Format	Color
RYB	127, 218, 222
Decimal	8380035
CIELab	80.96, -46.48, 36.03
CIElCh	81, 58.805, 142.217
Yxy	58.3933, 0.3043, 0.4560
Android (android.graphics.Color)	4286570115 (0xFF7FDE83)
YUV	183.2210, -25.7450, -49.3058
Hunter-Lab	76.4155, -42.7029, 29.6750

Details

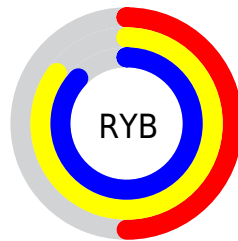
The Yxy color **58.3933, 0.3043, 0.4560** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.7607, 0.3214, 0.2283**, and the grayscale version is **47.6344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2131, 0.3084, 0.4088**, and **29.1537, 0.2982, 0.4937** is the 20% darker color. If you saturate the color by 10%, you get **56.3569, 0.3024, 0.4909**, and if you desaturate by 10%, it is **60.9284, 0.3063, 0.4219**.

Distribution



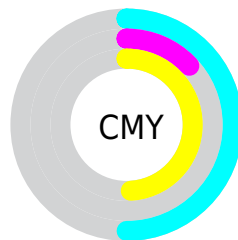
- Red (50%)
- Green (87%)
- Blue (51%)



- Red (50%)
- Yellow (85%)
- Blue (87%)



- Cyan (43%)
- Magenta (0%)
- Yellow (41%)
- Black (13%)





- Cyan (50%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3933, 0.3043, 0.4560 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 58.3933, 0.3043, 0.4560 by changing the saturation by 10% instead.


 58.3933, 0.3043,
0.4560


 58.3933, 0.3043,
0.4560


418.6499, 0.3109,
0.3909


 42.1249, 0.3019,
0.4725

 102.4954, 0.3072,
0.4321

 29.1991, 0.2984,
0.4938


 131.0979, 0.3082,
0.4232

 19.2315, 0.2930,
0.5220

 164.5805, 0.3089,
0.4157

 11.8377, 0.2841,
0.5609

203.3277, 0.3095,
0.4092

 6.6332, 0.2681,
0.6170

247.7238, 0.3099,
0.4037

 3.2338, 0.2520,
0.7463

298.1533, 0.3103,

 1.2550, 0.0144,

0.3989

0.9856

355.0005, 0.3106,
0.3946

■ 0.1059, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3933, 0.3043,
0.4560

■ 58.3933, 0.3043,
0.4560

■ 56.3569, 0.3024,
0.4909

■ 60.9284, 0.3063,
0.4219

■ 54.7795, 0.3009,
0.5243


■ 63.9840, 0.3084,
0.3900


■ 53.6275, 0.2998,
0.5538

■ 67.5897, 0.3104,
0.3611

■ 52.8596, 0.2993,
0.5769

■ 71.7707, 0.3122,
0.3356

 52.4261, 0.2993,
0.5920

 76.5506, 0.3139,
0.3133

 52.2679, 0.2994,
0.5979

 80.7272, 0.3142,
0.2970

Harmonies

Analogous

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



58.3933, 0.3769, 0.4672



58.3933, 0.3043, 0.4560



58.3933, 0.2379, 0.3927

Triad

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



58.3933, 0.3043, 0.4560



58.3933, 0.1964, 0.2189



58.3933, 0.4453, 0.3245

Complementary

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



58.3933, 0.3043, 0.4560



35.7607, 0.3214, 0.2283

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.



58.3933, 0.3844, 0.2734



58.3933, 0.3043, 0.4560



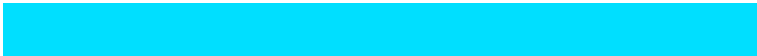
58.3933, 0.2389, 0.2152

Square

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



58.3933, 0.3043, 0.4560



58.3933, 0.1814, 0.2501



58.3933, 0.3062, 0.2348



58.3933, 0.4635, 0.3805

Rectangle

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



58.3933, 0.3043, 0.4560



58.3933, 0.2060, 0.3378



58.3933, 0.3062, 0.2348



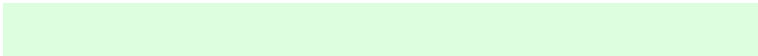
58.3933, 0.4288, 0.3065

Sweetspot

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



58.3958, 0.3043, 0.4560



92.3678, 0.3103, 0.3619



68.8140, 0.3738, 0.4351



19.5223, 0.3099, 0.3681



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.



58.3958, 0.3043, 0.4560



77.5012, 0.3027, 0.4860



59.9571, 0.2782, 0.3891



15.3467, 0.3110, 0.3522



31.0475, 0.2992, 0.5972



2.1554, 0.2969, 0.5889

Inverse Universe

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



35.7607, 0.3214, 0.2283



42.7827, 0.3233, 0.2104



33.6534, 0.3710, 0.2769



13.9250, 0.3144, 0.3069



12.0683, 0.3318, 0.1602



0.8397, 0.3300, 0.1592

Previews

White Background



This preview shows how the Yxy color 58.3933, 0.3043, 0.4560 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 58.3933, 0.3043, 0.4560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

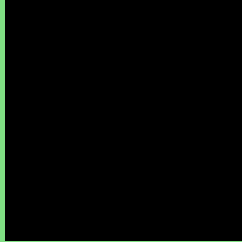
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3933, 0.3043, 0.4560

Background



This preview shows how black text looks on a background with the Yxy color 58.3933, 0.3043, 0.4560.



This preview shows how white text looks on a background with the Yxy color 58.3933, 0.3043, 0.4560.

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

58.3933, 0.3043, 0.4560

Protanopia

57.6191, 0.3862, 0.4192

Deuteranopia

57.2737, 0.3957, 0.3876



Tritanopia

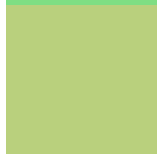
58.3930, 0.2599, 0.3077

Trichromacy



Original Color

58.3933, 0.3043, 0.4560



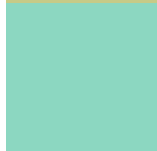
Protanomaly

56.9067, 0.3528, 0.4340



Deuteranomaly

55.9961, 0.3589, 0.4119



Tritanomaly

58.0266, 0.2761, 0.3581

Monochromacy



Original Color

58.3933, 0.3043, 0.4560



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.3994, 0.3098, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3933, 0.3043, 0.4560 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, 222, 131)` looks like.

```
.text, #text, p{  
    color:rgb(127, 222, 131)  
}
```

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, 222, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 222, 131) }
```

Border

The CSS property to change the border of an element to Yxy 58.3933, 0.3043, 0.4560 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, 222, 131) }
```

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

```
.border{ border-color:rgb(127, 222, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 222, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 222, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 222, 131); box-shadow:4px 4px 4px 4px rgb(127, 222, 131) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3933, 0.3043, 0.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 222, 131) }
```

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

```
.background{ background-color: rgb(127,  
222, 131) }
```

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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