

Converting Colors

$Y_{xy}(58.1301, 0.3240, 0.5033)$

Have a look what the booklet for
Yxy(58.1301, 0.3240, 0.5033)
contains.

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Color

Yxy(58.2506, 0.3241, 0.5040)

Conversions

Conversions Part 1

Format	Color
Hex	81DF5E
RGB	129, 223, 94
RGB Percent	51%, 87%, 37%
CMY	0.4943, 0.1255, 0.6312
CMYK	0.42, 0.00, 0.58, 0.13
HSL	104°, 67%, 62%
HSV	104°, 58%, 87%
XYZ	37.4584, 58.2506, 19.8676
YIQ	180.1880, -14.6150, -60.0470

Conversions

Conversions Part 2

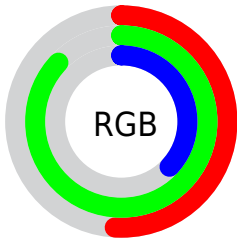
Format	Color
RYB	94, 223, 188
Decimal	8511326
CIELab	80.88, -50.99, 53.59
CIElCh	81, 73.976, 133.576
Yxy	58.2506, 0.3241, 0.5040
Android (android.graphics.Color)	4286701406 (0xFF81DF5E)
YUV	180.1880, -42.4907, -44.8919
Hunter-Lab	76.3221, -45.9570, 37.9915

Details

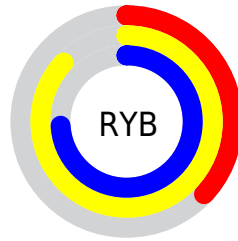
The Yxy color **58.2506, 0.3241, 0.5040** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **24.0433, 0.2830, 0.1787**, and the grayscale version is **45.9853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2229, 0.3297, 0.4508**, and **29.1235, 0.3193, 0.5541** is the 20% darker color. If you saturate the color by 10%, you get **56.7354, 0.3229, 0.5338**, and if you desaturate by 10%, it is **60.0891, 0.3240, 0.4716**.

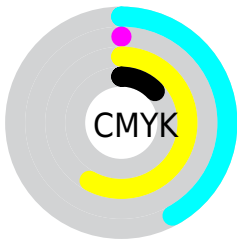
Distribution



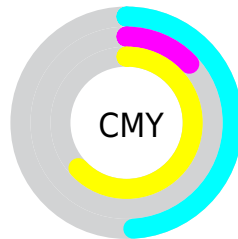
- Red (51%)
- Green (87%)
- Blue (37%)



- Red (37%)
- Yellow (87%)
- Blue (74%)



- Cyan (42%)
- Magenta (0%)
- Yellow (58%)
- Black (13%)




- Cyan (49%)
- Magenta (13%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2506, 0.3241, 0.5040 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 58.2506, 0.3241, 0.5040 by changing the saturation by 10% instead.


 58.2506, 0.3241,
0.5040


 58.2506, 0.3241,
0.5040


418.1191, 0.3239,
0.4146


 42.0101, 0.3223,
0.5260

 102.2877, 0.3254,
0.4715


 29.1092, 0.3188,
0.5537


 130.8531, 0.3255,
0.4593

 19.1635, 0.3123,
0.5893


 164.2957, 0.3254,
0.4489

 11.7885, 0.3000,
0.6354

 202.9998, 0.3251,
0.4401

 6.5998, 0.2843,
0.7157

247.3497, 0.3248,
0.4324

 3.2131, 0.2295,
0.7705

297.7300, 0.3245,

 1.2440, 0.0000,

0.4257

1.0000

354.5250, 0.3242,
0.4198

■ 0.0972, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2506, 0.3241,
0.5040

■ 58.2506, 0.3241,
0.5040

■ 56.7354, 0.3229,
0.5338

■ 60.0891, 0.3240,
0.4716

■ 55.5161, 0.3204,
0.5589


■ 62.2614, 0.3227,
0.4385


■ 54.5729, 0.3166,
0.5776

■ 64.7866, 0.3207,
0.4064

■ 53.8777, 0.3120,
0.5892


■ 67.6800, 0.3181,
0.3763

 53.7527, 0.3110,
0.5912

 70.9560, 0.3151,
0.3487

 74.6285, 0.3120,
0.3239

 78.7102, 0.3089,
0.3018

 81.2600, 0.3142,
0.2980

Harmonies

Analogous

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



58.2506, 0.4106, 0.4907



58.2506, 0.3241, 0.5040



58.2506, 0.2392, 0.4400

Triad

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



58.2506, 0.3241, 0.5040



58.2506, 0.1641, 0.2014



58.2506, 0.4619, 0.3017

Complementary

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



58.2506, 0.3241, 0.5040



24.0433, 0.2830, 0.1787

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.



58.2506, 0.3737, 0.2455



58.2506, 0.3241, 0.5040



58.2506, 0.2041, 0.1901

Square

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



58.2506, 0.3241, 0.5040



58.2506, 0.1554, 0.2469



58.2506, 0.2768, 0.2061



58.2506, 0.5001, 0.3662

Rectangle

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



58.2506, 0.3241, 0.5040



58.2506, 0.1955, 0.3688



58.2506, 0.2768, 0.2061



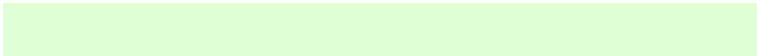
58.2506, 0.4363, 0.2817

Sweetspot

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



58.2531, 0.3241, 0.5040



92.0055, 0.3179, 0.3742



51.8135, 0.4180, 0.4322



19.5127, 0.3184, 0.3801



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.



58.2531, 0.3241, 0.5040



76.5738, 0.3226, 0.5384



56.5666, 0.2911, 0.4770



15.5159, 0.3156, 0.3529



31.6508, 0.3119, 0.5905



2.2374, 0.3232, 0.5816

Inverse Universe

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



24.0433, 0.2830, 0.1787



26.1360, 0.2746, 0.1537



27.6451, 0.3499, 0.2183



13.7393, 0.3095, 0.3056



7.7456, 0.2535, 0.1170



0.5803, 0.2643, 0.1230

Previews

White Background



This preview shows how the Yxy color 58.2506, 0.3241, 0.5040 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 58.2506, 0.3241, 0.5040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

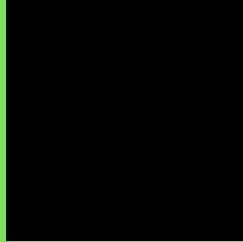
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.2506, 0.3241, 0.5040

Background



This preview shows how black text looks on a background with the Yxy color 58.2506, 0.3241, 0.5040.



This preview shows how white text looks on a background with the Yxy color 58.2506, 0.3241, 0.5040.

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

58.2506, 0.3241, 0.5040

Protanopia

57.5263, 0.4121, 0.4516

Deuteranopia

57.2187, 0.4286, 0.4191



Tritanopia

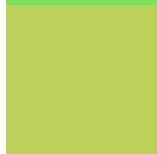
57.7673, 0.2635, 0.3077

Trichromacy



Original Color

58.2506, 0.3241, 0.5040



Protanomaly

56.5413, 0.3765, 0.4716



Deuteranomaly

55.8577, 0.3868, 0.4497



Tritanomaly

57.2368, 0.2873, 0.3773

Monochromacy



Original Color

58.2506, 0.3241, 0.5040



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.2268, 0.3191, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2506, 0.3241, 0.5040 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(129, 223, 94)` looks like.

```
.text, #text, p{  
    color:rgb(129, 223, 94)  
}
```

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(129, 223, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 223, 94) }
```

Border

The CSS property to change the border of an element to Yxy 58.2506, 0.3241, 0.5040 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(129, 223, 94) }
```

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

```
.border{ border-color:rgb(129, 223, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 223, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 223, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 223, 94);  
box-shadow:4px 4px 4px 4px rgb(129, 223,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2506, 0.3241, 0.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 223, 94) }
```

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

```
.background{ background-color: rgb(129,  
223, 94) }
```

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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