

Converting Colors

Yxy(53.7157, 0.2999, 0.5109)

Have a look what the booklet for
Yxy(53.7157, 0.2999, 0.5109)
contains.

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Color

Yxy(53.5823, 0.3003, 0.5113)

Conversions

Conversions Part 1

Format	Color
Hex	58DB60
RGB	88, 219, 96
RGB Percent	35%, 86%, 38%
CMY	0.6547, 0.1412, 0.6236
CMYK	0.60, 0.00, 0.56, 0.14
HSL	124°, 65%, 60%
HSV	124°, 60%, 86%
XYZ	31.4703, 53.5823, 19.7436
YIQ	165.8090, -38.5930, -66.0250

Conversions

Conversions Part 2

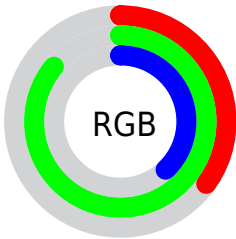
Format	Color
RYB	88, 211, 219
Decimal	5823328
CIELab	78.22, -60.20, 49.24
CIElCh	78, 77.778, 140.720
Yxy	53.5823, 0.3003, 0.5113
Android (android.graphics.Color)	4284013408 (0xFF58DB60)
YUV	165.8090, -34.4158, -68.2385
Hunter-Lab	73.1999, -51.3587, 35.2482

Details

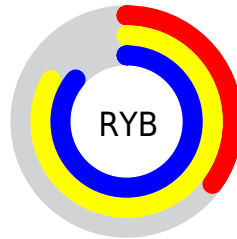
The Yxy color **53.5823, 0.3003, 0.5113** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **26.7560, 0.3277, 0.1971**, and the grayscale version is **38.2264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1116, 0.3062, 0.4571**, and **26.3688, 0.2906, 0.5663** is the 20% darker color. If you saturate the color by 10%, you get **52.3402, 0.2991, 0.5423**, and if you desaturate by 10%, it is **55.2490, 0.3020, 0.4775**.

Distribution



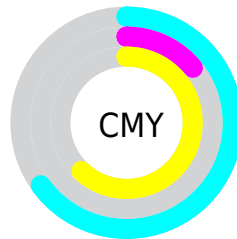
- Red (35%)
- Green (86%)
- Blue (38%)



- Red (35%)
- Yellow (83%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (56%)
- Black (14%)





- Cyan (65%)
- Magenta (14%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5823, 0.3003, 0.5113 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 53.5823, 0.3003, 0.5113 by changing the saturation by 10% instead.


 53.5823, 0.3003,
0.5113


 53.5823, 0.3003,
0.5113

400.5152, 0.3117,
0.4154


 38.2678, 0.2956,
0.5359


 95.4607, 0.3058,
0.4758


 26.1906, 0.2886,
0.5675


 122.7933, 0.3074,
0.4626

 16.9663, 0.2774,
0.6091

 154.9009, 0.3086,
0.4515

 10.2105, 0.2585,
0.6648

 192.1677, 0.3096,
0.4421

 5.5387, 0.2333,
0.7667

234.9781, 0.3103,
0.4340

 2.5667, 0.1484,
0.8516

283.7166, 0.3109,

 0.9099, 0.0000,

0.4270

1.0000

338.7675, 0.3113,
0.4209

■ 0.0000, 0.0000,
0.0000

■ 53.5823, 0.3003,
0.5113

■ 53.5823, 0.3003,
0.5113

■ 52.3402, 0.2991,
0.5423

■ 55.2490, 0.3020,
0.4775

■ 51.4783, 0.2986,
0.5679

■ 57.3668, 0.3040,
0.4432

■ 50.9546, 0.2987,
0.5862

■ 59.9675, 0.3062,
0.4103

■ 50.6967, 0.2991,
0.5967

■ 63.0786, 0.3085,
0.3799

■ 50.6927, 0.2991,
0.5969

■ 66.7253, 0.3107,
0.3526

■ 70.9311, 0.3128,
0.3285

■ 75.7181, 0.3147,
0.3076

■ 79.1430, 0.3144,
0.2940

Harmonies

Analogous

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



53.5823, 0.3942, 0.5119



53.5823, 0.3003, 0.5113



53.5823, 0.2146, 0.4233

Triad

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



53.5823, 0.3003, 0.5113



53.5823, 0.1620, 0.1872



53.5823, 0.4897, 0.3143

Complementary

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



53.5823, 0.3003, 0.5113



26.7560, 0.3277, 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.



53.5823, 0.4036, 0.2526



53.5823, 0.3003, 0.5113



53.5823, 0.2119, 0.1831

Square

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



53.5823, 0.3003, 0.5113



53.5823, 0.1450, 0.2248



53.5823, 0.2968, 0.2063



53.5823, 0.5131, 0.3830

Rectangle

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



53.5823, 0.3003, 0.5113



53.5823, 0.1745, 0.3431



53.5823, 0.2968, 0.2063



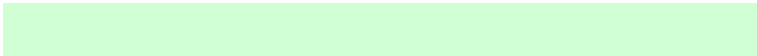
53.5823, 0.4665, 0.2926

Sweetspot

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



53.5845, 0.3003, 0.5113



89.8371, 0.3089, 0.3752



65.4329, 0.3917, 0.4714



18.9287, 0.3082, 0.3837



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.



53.5845, 0.3003, 0.5113



73.4917, 0.2989, 0.5501



55.2811, 0.2684, 0.4154



14.6189, 0.3108, 0.3517



30.0638, 0.2989, 0.5959



1.9523, 0.2955, 0.5836

Inverse Universe

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



26.7560, 0.3277, 0.1971



32.3428, 0.3310, 0.1789



24.1548, 0.4110, 0.2615



13.2605, 0.3147, 0.3073



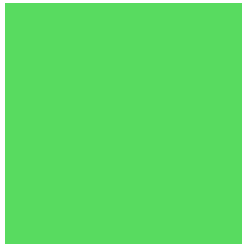
11.5711, 0.3366, 0.1628



0.7539, 0.3338, 0.1612

Previews

White Background



This preview shows how the Yxy color 53.5823, 0.3003, 0.5113 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 53.5823, 0.3003, 0.5113 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 53.5823, 0.3003, 0.5113

Background



This preview shows how black text looks on a background with the Yxy color 53.5823, 0.3003, 0.5113.

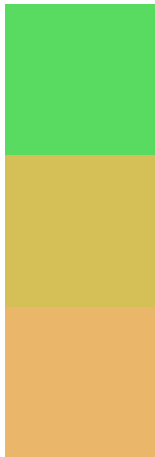


This preview shows how white text looks on a background with the Yxy color 53.5823, 0.3003, 0.5113.

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

53.5823, 0.3003, 0.5113

Protanopia

52.5335, 0.4097, 0.4484

Deuteranopia

52.4000, 0.4217, 0.4133



Tritanopia

53.3385, 0.2473, 0.3077

Trichromacy



Original Color

53.5823, 0.3003, 0.5113



Protanomaly

51.3041, 0.3624, 0.4753



Deuteranomaly

50.2629, 0.3693, 0.4506



Tritanomaly

52.9113, 0.2674, 0.3792

Monochromacy



Original Color

53.5823, 0.3003, 0.5113



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

42.0243, 0.3072, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5823, 0.3003, 0.5113 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(88, 219, 96)` looks like.

```
.text, #text, p{  
    color:rgb(88, 219, 96)  
}
```

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(88, 219, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 219, 96) }
```

Border

The CSS property to change the border of an element to Yxy 53.5823, 0.3003, 0.5113 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(88, 219, 96) }
```

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

```
.border{ border-color:rgb(88, 219, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 219, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 219, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 219, 96);  
box-shadow:4px 4px 4px 4px rgb(88, 219,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5823, 0.3003, 0.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 219, 96) }
```

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

```
.background{ background-color: rgb(88, 219,  
96) }
```

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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