

Converting Colors

$Yxy(53.5151, 0.3014, 0.5155)$

Have a look what the booklet for
Yxy(53.5151, 0.3014, 0.5155)
contains.

Yxy(53.5281, 0.3016, 0.5152)	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(53.5281, 0.3016, 0.5152)

Conversions

Conversions Part 1

Format	Color
Hex	58DB5D
RGB	88, 219, 93
RGB Percent	35%, 86%, 36%
CMY	0.6547, 0.1412, 0.6353
CMYK	0.60, 0.00, 0.58, 0.14
HSL	122°, 65%, 60%
HSV	122°, 60%, 86%
XYZ	31.3355, 53.5281, 19.0341
YIQ	165.4670, -37.6300, -66.9580

Conversions

Conversions Part 2

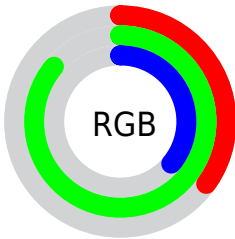
Format	Color
RYB	88, 214, 219
Decimal	5823325
CIELab	78.19, -60.56, 50.56
CIELCh	78, 78.893, 140.143
Yxy	53.5281, 0.3016, 0.5152
Android (android.graphics.Color)	4284013405 (0xFF58DB5D)
YUV	165.4670, -35.7262, -67.9386
Hunter-Lab	73.1629, -51.5838, 35.7891

Details

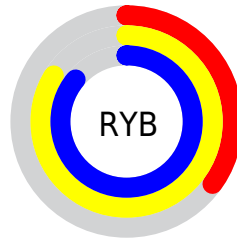
The Yxy color **53.5281, 0.3016, 0.5152** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **26.9073, 0.3244, 0.1946**, and the grayscale version is **38.0596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0161, 0.3076, 0.4607**, and **26.3409, 0.2921, 0.5714** is the 20% darker color. If you saturate the color by 10%, you get **52.2932, 0.3003, 0.5462**, and if you desaturate by 10%, it is **55.1914, 0.3033, 0.4810**.

Distribution



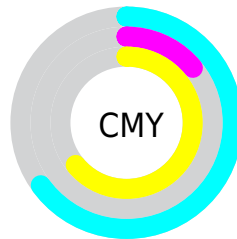
- Red (35%)
- Green (86%)
- Blue (36%)



- Red (35%)
- Yellow (84%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (58%)
- Black (14%)





- Cyan (65%)
- Magenta (14%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5281, 0.3016, 0.5152 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 53.5281, 0.3016, 0.5152 by changing the saturation by 10% instead.


 53.5281, 0.3016,
0.5152

 53.5281, 0.3016,
0.5152


400.3079, 0.3126,
0.4173


 38.2245, 0.2969,
0.5403


 95.3810, 0.3070,
0.4789

 26.1570, 0.2898,
0.5724


 122.6991, 0.3086,
0.4655

 16.9411, 0.2783,
0.6145


 154.7909, 0.3098,
0.4542

 10.1925, 0.2590,
0.6705

 192.0407, 0.3107,
0.4446

 5.5268, 0.2317,
0.7683

234.8329, 0.3114,
0.4363

 2.5595, 0.1453,
0.8547

283.5519, 0.3119,

 0.9064, 0.0000,

0.4292

1.0000

338.5821, 0.3123,
0.4229

■ 0.0000, 0.0000,
0.0000

■ 53.5281, 0.3016,
0.5152

■ 53.5281, 0.3016,
0.5152

■ 52.2932, 0.3003,
0.5462

■ 55.1914, 0.3033,
0.4810

■ 51.4414, 0.2996,
0.5713

■ 57.3100, 0.3052,
0.4460

■ 50.9298, 0.2994,
0.5887

■ 59.9166, 0.3071,
0.4123

■ 50.6846, 0.2995,
0.5979

■ 63.0389, 0.3091,
0.3812

■ 50.6806, 0.2995,
0.5981

■ 66.7025, 0.3110,
0.3532

■ 70.9315, 0.3128,
0.3285

■ 75.7483, 0.3143,
0.3071

■ 79.1426, 0.3144,
0.2940

Harmonies

Analogous

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



53.5281, 0.3965, 0.5135



53.5281, 0.3016, 0.5152



53.5281, 0.2146, 0.4271

Triad

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



53.5281, 0.3016, 0.5152



53.5281, 0.1596, 0.1859



53.5281, 0.4910, 0.3125

Complementary

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



53.5281, 0.3016, 0.5152



26.9073, 0.3244, 0.1946

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.



53.5281, 0.4028, 0.2505



53.5281, 0.3016, 0.5152



53.5281, 0.2093, 0.1813

Square

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



53.5281, 0.3016, 0.5152



53.5281, 0.1431, 0.2244



53.5281, 0.2945, 0.2042



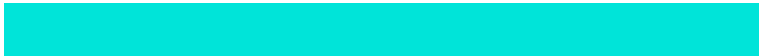
53.5281, 0.5159, 0.3817

Rectangle

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



53.5281, 0.3016, 0.5152



53.5281, 0.1736, 0.3454



53.5281, 0.2945, 0.2042



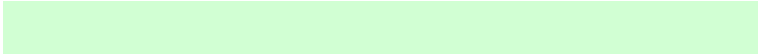
53.5281, 0.4672, 0.2907

Sweetspot

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



53.5303, 0.3016, 0.5152



89.7845, 0.3094, 0.3764



65.7599, 0.3935, 0.4703



18.9162, 0.3089, 0.3850



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.



53.5303, 0.3016, 0.5152



73.4294, 0.3001, 0.5540



55.2051, 0.2695, 0.4188



14.6142, 0.3111, 0.3522



30.0551, 0.2993, 0.5974



1.9500, 0.2971, 0.5897

Inverse Universe

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



26.9073, 0.3244, 0.1946



32.5998, 0.3268, 0.1762



24.2242, 0.4078, 0.2590



13.2659, 0.3144, 0.3068



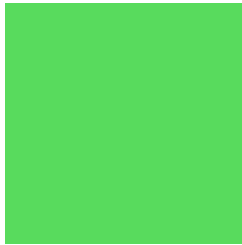
11.7149, 0.3305, 0.1594



0.7617, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 53.5281, 0.3016, 0.5152 looks on a white background.

Color Contrast Check

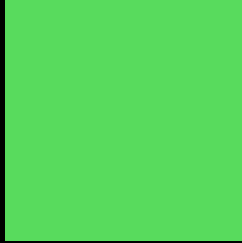
Large Text (above 18pt) WCAG AA × Fail

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 53.5281, 0.3016, 0.5152 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 53.5281, 0.3016, 0.5152

Background



This preview shows how black text looks on a background with the Yxy color 53.5281, 0.3016, 0.5152.



This preview shows how white text looks on a background with the Yxy color 53.5281, 0.3016, 0.5152.

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

53.5281, 0.3016, 0.5152

Protanopia

52.5013, 0.4109, 0.4501

Deuteranopia

52.5084, 0.4248, 0.4158



Tritanopia

53.4096, 0.2478, 0.3077

Trichromacy



Original Color

53.5281, 0.3016, 0.5152



Protanomaly

51.2705, 0.3635, 0.4775



Deuteranomaly

50.3258, 0.3721, 0.4536



Tritanomaly

52.8718, 0.2680, 0.3807

Monochromacy



Original Color

53.5281, 0.3016, 0.5152



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.8804, 0.3078, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5281, 0.3016, 0.5152 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(88, 219, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 219, 93) }
```

Border

The CSS property to change the border of an element to Yxy 53.5281, 0.3016, 0.5152 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, 93) }
```

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

```
.border{ border-color:rgb(88, 219, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 219, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 219, 93);  
box-shadow:4px 4px 4px 4px rgb(88, 219,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5281, 0.3016, 0.5152 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, 93) }
```

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

```
.background{ background-color: rgb(88, 219,  
93) }
```

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