

Converting Colors

Yxy(51.1129, 0.2966, 0.4853)

Have a look what the booklet for
Yxy(51.1129, 0.2966, 0.4853)
contains.

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Color

Yxy(51.0940, 0.2966, 0.4853)

Conversions

Conversions Part 1

Format	Color
Hex	5ED56E
RGB	94, 213, 110
RGB Percent	37%, 84%, 43%
CMY	0.6312, 0.1647, 0.5687
CMYK	0.56, 0.00, 0.48, 0.16
HSL	128°, 59%, 60%
HSV	128°, 56%, 84%
XYZ	31.2270, 51.0940, 22.9623
YIQ	165.6770, -37.8610, -57.2610

Conversions

Conversions Part 2

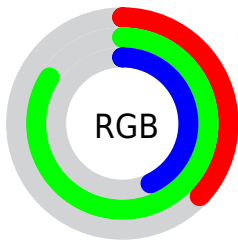
Format	Color
RYB	94, 199, 213
Decimal	6215022
CIELab	76.74, -54.71, 40.84
CIELCh	77, 68.276, 143.258
Yxy	51.0940, 0.2966, 0.4853
Android (android.graphics.Color)	4284405102 (0xFF5ED56E)
YUV	165.6770, -27.4488, -62.8607
Hunter-Lab	71.4801, -47.1100, 30.9897

Details

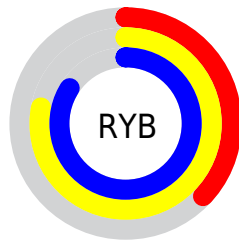
The Yxy color **51.0940, 0.2966, 0.4853** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **26.1930, 0.3364, 0.2122**, and the grayscale version is **38.1229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9366, 0.3020, 0.4404**, and **24.5784, 0.2861, 0.5354** is the 20% darker color. If you saturate the color by 10%, you get **49.7598, 0.2952, 0.5166**, and if you desaturate by 10%, it is **52.8267, 0.2988, 0.4531**.

Distribution



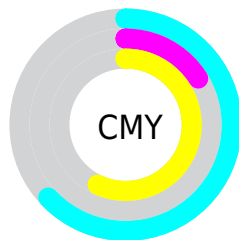
- Red (37%)
- Green (84%)
- Blue (43%)



- Red (37%)
- Yellow (78%)
- Blue (84%)



- Cyan (56%)
- Magenta (0%)
- Yellow (48%)
- Black (16%)



- Cyan (63%)
- Magenta (16%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0940, 0.2966, 0.4853 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 51.0940, 0.2966, 0.4853 by changing the saturation by 10% instead.


 51.0940, 0.2966,
0.4853


 51.0940, 0.2966,
0.4853


390.9289, 0.3083,
0.4026

 36.2834, 0.2924,
0.5070


 91.7937, 0.3018,
0.4544


 24.6532, 0.2861,
0.5352


 118.4516, 0.3035,
0.4430

 15.8188, 0.2765,
0.5731

 149.8274, 0.3048,
0.4335

 9.3961, 0.2604,
0.6258

 186.3056, 0.3058,
0.4254

 5.0004, 0.2352,
0.7124

228.2704, 0.3066,
0.4185

 2.2475, 0.1592,
0.8408

276.1063, 0.3073,

 0.7457, 0.0000,

0.4125

1.0000

330.1976, 0.3079,
0.4073

0.0000, 0.0000,
0.0000

51.0940, 0.2966,
0.4853

51.0940, 0.2966,
0.4853

49.7598, 0.2952,
0.5166

52.8267, 0.2988,
0.4531

48.7864, 0.2948,
0.5450

54.9796, 0.3015,
0.4217

48.1394, 0.2953,
0.5684

57.5803, 0.3045,
0.3923

47.7745, 0.2968,
0.5853

60.6523, 0.3077,
0.3655

47.6753, 0.2973,
0.5904

64.2173, 0.3109,
0.3416

■ 68.2957, 0.3140,
0.3206

■ 72.9069, 0.3169,
0.3024

■ 76.0688, 0.3146,
0.2881

Harmonies

Analogous

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



51.0940, 0.3825, 0.4962



51.0940, 0.2966, 0.4853



51.0940, 0.2197, 0.4037

Triad

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



51.0940, 0.2966, 0.4853



51.0940, 0.1775, 0.1985



51.0940, 0.4752, 0.3228

Complementary

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



51.0940, 0.2966, 0.4853



26.1930, 0.3364, 0.2122

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.



51.0940, 0.4021, 0.2644



51.0940, 0.2966, 0.4853



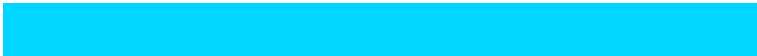
51.0940, 0.2269, 0.1963

Square

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



51.0940, 0.2966, 0.4853



51.0940, 0.1592, 0.2315



51.0940, 0.3069, 0.2197



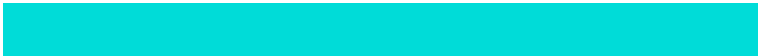
51.0940, 0.4928, 0.3872

Rectangle

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



51.0940, 0.2966, 0.4853



51.0940, 0.1841, 0.3342



51.0940, 0.3069, 0.2197



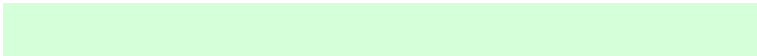
51.0940, 0.4559, 0.3024

Sweetspot

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



51.0961, 0.2966, 0.4853



90.4988, 0.3073, 0.3689



60.2869, 0.3794, 0.4680



19.1615, 0.3066, 0.3741



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.



51.0961, 0.2966, 0.4853



74.4742, 0.2951, 0.5221



52.8497, 0.2648, 0.3929



13.9228, 0.3098, 0.3498



29.1306, 0.2969, 0.5888



1.7660, 0.2898, 0.5635

Inverse Universe

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



26.1930, 0.3364, 0.2122



33.4562, 0.3426, 0.1943



23.9842, 0.4156, 0.2768



12.6027, 0.3158, 0.3090



10.7778, 0.3577, 0.1744



0.6582, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 51.0940, 0.2966, 0.4853 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 51.0940, 0.2966, 0.4853 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 51.0940, 0.2966, 0.4853

Background



This preview shows how black text looks on a background with the Yxy color 51.0940, 0.2966, 0.4853.

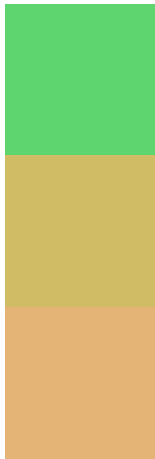


This preview shows how white text looks on a background with the Yxy color 51.0940, 0.2966, 0.4853.

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

51.0940, 0.2966, 0.4853

Protanopia

50.1714, 0.3978, 0.4332

Deuteranopia

50.2814, 0.4079, 0.4000



Tritanopia

50.7761, 0.2491, 0.3073

Trichromacy



Original Color

51.0940, 0.2966, 0.4853



Protanomaly

49.0390, 0.3543, 0.4550



Deuteranomaly

48.5208, 0.3603, 0.4313



Tritanomaly

50.2565, 0.2667, 0.3680

Monochromacy



Original Color

51.0940, 0.2966, 0.4853



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.5177, 0.3052, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0940, 0.2966, 0.4853 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(94, 213, 110)` looks like.

```
.text, #text, p{  
    color:rgb(94, 213, 110)  
}
```

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(94, 213, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 213, 110) }
```

Border

The CSS property to change the border of an element to Yxy 51.0940, 0.2966, 0.4853 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(94, 213, 110) }
```

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

```
.border{ border-color:rgb(94, 213, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 213, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 213, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 213, 110);  
box-shadow:4px 4px 4px 4px rgb(94, 213,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0940, 0.2966, 0.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 213, 110) }
```

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

```
.background{ background-color: rgb(94, 213,  
110) }
```

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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