

Converting Colors

$Yxy(51.0948, 0.2861, 0.4543)$

Have a look what the booklet for
Yxy(51.0948, 0.2861, 0.4543)
contains.

Yxy(51.0784, 0.2860, 0.4538)	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(51.0784, 0.2860, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	5ED482
RGB	94, 212, 130
RGB Percent	37%, 83%, 51%
CMY	0.6313, 0.1686, 0.4901
CMYK	0.56, 0.00, 0.39, 0.17
HSL	138°, 58%, 60%
HSV	138°, 56%, 83%
XYZ	32.1913, 51.0784, 29.2874
YIQ	167.3700, -44.0060, -50.5180

Conversions

Conversions Part 2

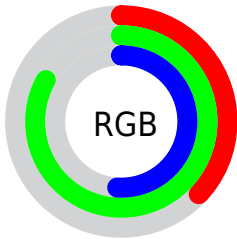
Format	Color
RYB	94, 184, 212
Decimal	6214786
CIELab	76.73, -51.16, 30.77
CIELCh	77, 59.697, 148.973
Yxy	51.0784, 0.2860, 0.4538
Android (android.graphics.Color)	4284404866 (0xFF5ED482)
YUV	167.3700, -18.4234, -64.3455
Hunter-Lab	71.4692, -44.6706, 25.7320

Details

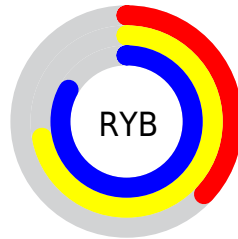
The Yxy color **51.0784, 0.2860, 0.4538** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.1413, 0.3610, 0.2328**, and the grayscale version is **38.9456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7530, 0.2915, 0.4142**, and **24.5383, 0.2747, 0.4924** is the 20% darker color. If you saturate the color by 10%, you get **49.7414, 0.2840, 0.4806**, and if you desaturate by 10%, it is **52.7840, 0.2893, 0.4274**.

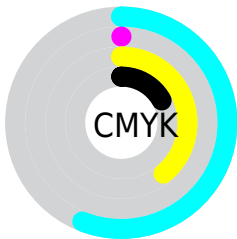
Distribution



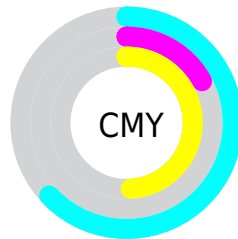
- Red (37%)
- Green (83%)
- Blue (51%)



- Red (37%)
- Yellow (72%)
- Blue (83%)



- Cyan (56%)
- Magenta (0%)
- Yellow (39%)
- Black (17%)




- Cyan (63%)
- Magenta (17%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0784, 0.2860, 0.4538 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 51.0784, 0.2860, 0.4538 by changing the saturation by 10% instead.


 51.0784, 0.2860,
0.4538


 51.0784, 0.2860,
0.4538


390.8683, 0.3015,
0.3881


 36.2710, 0.2814,
0.4711


 91.7707, 0.2922,
0.4292


 24.6436, 0.2751,
0.4939


 118.4243, 0.2943,
0.4202

 15.8117, 0.2659,
0.5248

 149.7955, 0.2961,
0.4126

 9.3910, 0.2517,
0.5690

 186.2686, 0.2976,
0.4062

 4.9971, 0.2276,
0.6357

228.2280, 0.2988,
0.4007

 2.2456, 0.1854,
0.8146

276.0582, 0.2998,

 0.7447, 0.0000,

0.3959

1.0000

330.1435, 0.3007,
0.3917

■ 0.0000, 0.0000,
0.0000

■ 51.0784, 0.2860,
0.4538

■ 51.0784, 0.2860,
0.4538

■ 49.7414, 0.2840,
0.4806

■ 52.7840, 0.2893,
0.4274

■ 48.7384, 0.2835,
0.5068

■ 54.8771, 0.2936,
0.4022

■ 48.0389, 0.2847,
0.5309

■ 57.3827, 0.2986,
0.3789

■ 47.6030, 0.2875,
0.5519

■ 60.3218, 0.3040,
0.3577

■ 47.4654, 0.2889,
0.5599

■ 63.7141, 0.3096,
0.3387

■ 67.5780, 0.3151,
0.3220

■ 71.9309, 0.3205,
0.3073

■ 75.1168, 0.3195,
0.2937

■ 75.5674, 0.3147,
0.2871

Harmonies

Analogous

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



51.0784, 0.3628, 0.4782



51.0784, 0.2860, 0.4538



51.0784, 0.2206, 0.3770

Triad

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



51.0784, 0.2860, 0.4538



51.0784, 0.1979, 0.2099



51.0784, 0.4622, 0.3364

Complementary

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



51.0784, 0.2860, 0.4538



25.1413, 0.3610, 0.2328

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.



51.0784, 0.4060, 0.2814



51.0784, 0.2860, 0.4538



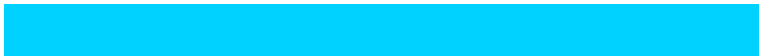
51.0784, 0.2486, 0.2121

Square

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



51.0784, 0.2860, 0.4538



51.0784, 0.1758, 0.2352



51.0784, 0.3240, 0.2375



51.0784, 0.4693, 0.3953

Rectangle

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



51.0784, 0.2860, 0.4538



51.0784, 0.1919, 0.3187



51.0784, 0.3240, 0.2375



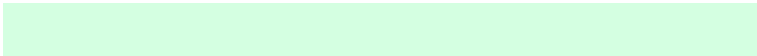
51.0784, 0.4483, 0.3173

Sweetspot

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



51.0805, 0.2860, 0.4538



90.8946, 0.3032, 0.3608



57.1970, 0.3630, 0.4761



19.2540, 0.3021, 0.3650



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.



51.0805, 0.2860, 0.4538



75.1972, 0.2838, 0.4861



53.1166, 0.2545, 0.3626



13.9577, 0.3075, 0.3456



29.3183, 0.2882, 0.5574



1.7830, 0.2783, 0.5219

Inverse Universe

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



25.1413, 0.3610, 0.2328



31.9297, 0.3760, 0.2175



23.3055, 0.4444, 0.3010



12.5652, 0.3184, 0.3129



9.9663, 0.4159, 0.2065



0.6156, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 51.0784, 0.2860, 0.4538 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 51.0784, 0.2860, 0.4538 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 51.0784, 0.2860, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 51.0784, 0.2860, 0.4538.

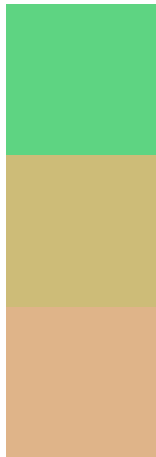


This preview shows how white text looks on a background with the Yxy color 51.0784, 0.2860, 0.4538.

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

51.0784, 0.2860, 0.4538

Protanopia

50.3016, 0.3819, 0.4127

Deuteranopia

50.1366, 0.3883, 0.3797



Tritanopia

50.6172, 0.2471, 0.3060

Trichromacy



Original Color

51.0784, 0.2860, 0.4538



Protanomaly

49.3871, 0.3400, 0.4293



Deuteranomaly

48.6506, 0.3436, 0.4072



Tritanomaly

50.4590, 0.2611, 0.3561

Monochromacy



Original Color

51.0784, 0.2860, 0.4538



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.7755, 0.2992, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0784, 0.2860, 0.4538 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, 212, 130)` looks like.

```
.text, #text, p{  
    color:rgb(94, 212, 130)  
}
```

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, 212, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 212, 130) }
```

Border

The CSS property to change the border of an element to Yxy 51.0784, 0.2860, 0.4538 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, 212, 130) }
```

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

```
.border{ border-color:rgb(94, 212, 130) }
```

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

Here you see how a box with a 4 pixel rgb(94, 212, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 212, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 212, 130);  
box-shadow:4px 4px 4px 4px rgb(94, 212,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0784, 0.2860, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 212, 130) }
```

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

```
.background{ background-color: rgb(94, 212,  
130) }
```

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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