

Converting Colors

$Y_{xy}(50.2495, 0.2958, 0.5387)$

Have a look what the booklet for
Yxy(50.2495, 0.2958, 0.5387)
contains.

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Color

Yxy(50.1116, 0.2959, 0.5384)

Conversions

Conversions Part 1

Format	Color
Hex	3CD74E
RGB	60, 215, 78
RGB Percent	24%, 84%, 31%
CMY	0.7645, 0.1569, 0.6942
CMYK	0.72, 0.00, 0.64, 0.16
HSL	127°, 66%, 54%
HSV	127°, 72%, 84%
XYZ	27.5409, 50.1116, 15.4225
YIQ	153.0370, -48.4030, -75.4670

Conversions

Conversions Part 2

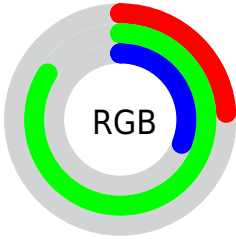
Format	Color
RYB	60, 199, 215
Decimal	3987278
CIELab	76.14, -66.28, 54.60
CIELCh	76, 85.876, 140.518
Yxy	50.1116, 0.2959, 0.5384
Android (android.graphics.Color)	4282177358 (0xFF3CD74E)
YUV	153.0370, -36.9932, -81.5934
Hunter-Lab	70.7895, -54.4357, 36.6355

Details

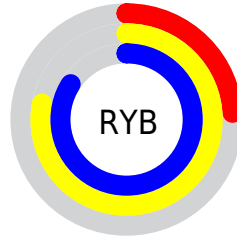
The Yxy color **50.1116, 0.2959, 0.5384** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **21.7210, 0.3413, 0.1866**, and the grayscale version is **32.0594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7751, 0.3035, 0.4835**, and **24.8399, 0.2974, 0.5907** is the 20% darker color. If you saturate the color by 10%, you get **49.3396, 0.2960, 0.5636**, and if you desaturate by 10%, it is **51.2385, 0.2967, 0.5085**.

Distribution



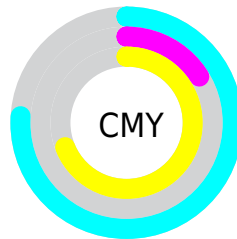
- Red (24%)
- Green (84%)
- Blue (31%)



- Red (24%)
- Yellow (78%)
- Blue (84%)



- Cyan (72%)
- Magenta (0%)
- Yellow (64%)
- Black (16%)





- Cyan (76%)
- Magenta (16%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1116, 0.2959, 0.5384 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 50.1116, 0.2959, 0.5384 by changing the saturation by 10% instead.


 50.1116, 0.2959,
0.5384


 50.1116, 0.2959,
0.5384

387.1022, 0.3113,
0.4267


 35.5021, 0.2895,
0.5672


 90.3402, 0.3034,
0.4968

 24.0499, 0.2797,
0.6041


 116.7281, 0.3056,
0.4814

 15.3706, 0.2642,
0.6521


 147.8109, 0.3072,
0.4685

 9.0799, 0.2392,
0.7182

 183.9729, 0.3085,
0.4576

 4.7933, 0.1958,
0.8042

 225.5987, 0.3095,
0.4482

 2.1265, 0.0363,
0.9637

273.0726, 0.3102,

 0.6795, 0.0000,

0.4401

1.0000

326.7790, 0.3108,
0.4330

■ 0.0000, 0.0000,
0.0000

■ 50.1116, 0.2959,
0.5384

■ 50.1116, 0.2959,
0.5384

■ 49.3396, 0.2960,
0.5636

■ 51.2385, 0.2967,
0.5085

■ 48.8740, 0.2969,
0.5824


■ 52.7497, 0.2984,
0.4762

■ 48.6710, 0.2979,
0.5924


■ 54.6783, 0.3007,
0.4435

■ 57.0523, 0.3034,
0.4121

■ 59.8973, 0.3063,
0.3830

 63.2368, 0.3092,
0.3567

 67.0929, 0.3121,
0.3334

 71.4862, 0.3149,
0.3131

 76.4362, 0.3175,
0.2955

Harmonies

Analogous

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



50.1116, 0.3988, 0.5315



50.1116, 0.2959, 0.5384



50.1116, 0.2025, 0.4375

Triad

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



50.1116, 0.2959, 0.5384



50.1116, 0.1476, 0.1731



50.1116, 0.5113, 0.3094

Complementary

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



50.1116, 0.2959, 0.5384



21.7210, 0.3413, 0.1866

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.



50.1116, 0.4136, 0.2437



50.1116, 0.2959, 0.5384



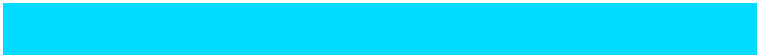
50.1116, 0.2004, 0.1694

Square

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



50.1116, 0.2959, 0.5384



50.1116, 0.1295, 0.2123



50.1116, 0.2931, 0.1941



50.1116, 0.5351, 0.3825

Rectangle

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



50.1116, 0.2959, 0.5384



50.1116, 0.1596, 0.3439



50.1116, 0.2931, 0.1941



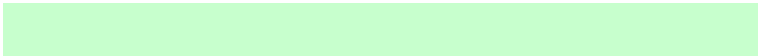
50.1116, 0.4853, 0.2864

Sweetspot

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



50.1137, 0.2959, 0.5384



88.0748, 0.3063, 0.3834



61.1399, 0.3953, 0.4952



18.5917, 0.3054, 0.3911



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.



50.1137, 0.2959, 0.5384



72.2271, 0.2963, 0.5735



51.8648, 0.2611, 0.4242



13.9191, 0.3100, 0.3503



29.1188, 0.2975, 0.5909



1.7643, 0.2912, 0.5682

Inverse Universe

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



21.7210, 0.3413, 0.1866



28.1973, 0.3476, 0.1747



19.0916, 0.4567, 0.2629



12.6068, 0.3155, 0.3086



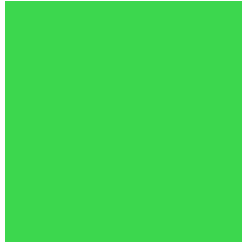
10.8788, 0.3522, 0.1714



0.6633, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 50.1116, 0.2959, 0.5384 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 50.1116, 0.2959, 0.5384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

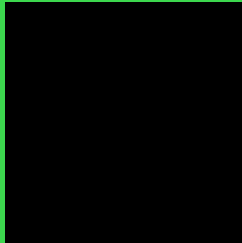
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1116, 0.2959, 0.5384

Background



This preview shows how black text looks on a background with the Yxy color 50.1116, 0.2959, 0.5384.

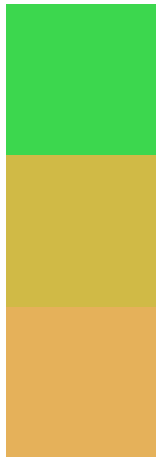


This preview shows how white text looks on a background with the Yxy color 50.1116, 0.2959, 0.5384.

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

50.1116, 0.2959, 0.5384

Protanopia

48.9699, 0.4193, 0.4596

Deuteranopia

48.8405, 0.4330, 0.4240



Tritanopia

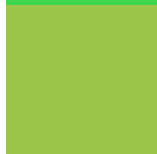
49.6600, 0.2401, 0.3055

Trichromacy



Original Color

50.1116, 0.2959, 0.5384



Protanomaly

47.2836, 0.3616, 0.4957



Deuteranomaly

46.2583, 0.3700, 0.4695



Tritanomaly

48.9589, 0.2613, 0.3879

Monochromacy



Original Color

50.1116, 0.2959, 0.5384



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.4790, 0.3031, 0.4111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1116, 0.2959, 0.5384 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(60, 215, 78)` looks like.

```
.text, #text, p{  
    color:rgb(60, 215, 78)  
}
```

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(60, 215, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 215, 78) }
```

Border

The CSS property to change the border of an element to Yxy 50.1116, 0.2959, 0.5384 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(60, 215, 78) }
```

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

```
.border{ border-color:rgb(60, 215, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 215, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 215, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 215, 78);  
box-shadow:4px 4px 4px 4px rgb(60, 215,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1116, 0.2959, 0.5384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 215, 78) }
```

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

```
.background{ background-color: rgb(60, 215,  
78) }
```

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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