

Converting Colors

$Yxy(51.7236, 0.3427, 0.4732)$

Have a look what the booklet for
Yxy(51.7236, 0.3427, 0.4732)
contains.

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Color

Yxy(51.8350, 0.3428, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	99CE64
RGB	153, 206, 100
RGB Percent	60%, 81%, 39%
CMY	0.3999, 0.1922, 0.6079
CMYK	0.26, 0.00, 0.51, 0.19
HSL	90°, 52%, 60%
HSV	90°, 51%, 81%
XYZ	37.5112, 51.8350, 20.0796
YIQ	178.0690, 2.4380, -44.2020

Conversions

Conversions Part 2

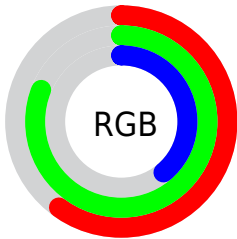
Format	Color
RYB	100, 206, 153
Decimal	10079844
CIELab	77.18, -34.89, 46.82
CIELCh	77, 58.390, 126.695
Yxy	51.8350, 0.3428, 0.4737
Android (android.graphics.Color)	4288269924 (0xFF99CE64)
YUV	178.0690, -38.4880, -21.9855
Hunter-Lab	71.9965, -32.9930, 33.8618

Details

The Yxy color **51.8350, 0.3428, 0.4737** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.3355, 0.2621, 0.1849**, and the grayscale version is **44.7686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3752, 0.3414, 0.4399**, and **24.9993, 0.3454, 0.5156** is the 20% darker color. If you saturate the color by 10%, you get **50.5286, 0.3454, 0.5018**, and if you desaturate by 10%, it is **53.3332, 0.3386, 0.4441**.

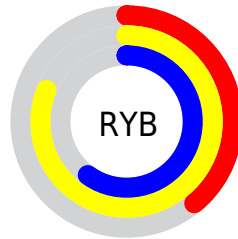
Distribution



Red (60%)

Green (81%)

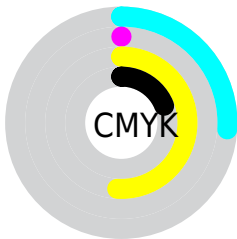
Blue (39%)



Red (39%)

Yellow (81%)

Blue (60%)

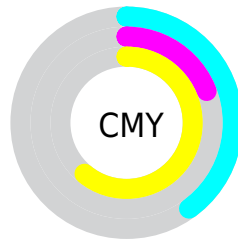


Cyan (26%)

Magenta (0%)

Yellow (51%)

Black (19%)



Cyan (40%)


Magenta (19%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8350, 0.3428, 0.4737 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 51.8350, 0.3428, 0.4737 by changing the saturation by 10% instead.


 51.8350, 0.3428,
0.4737

 51.8350, 0.3428,
0.4737


393.7993, 0.3316,
0.3996

 36.8736, 0.3441,
0.4922


 92.8879, 0.3398,
0.4466


 25.1096, 0.3448,
0.5156


 119.7481, 0.3383,
0.4365

 16.1587, 0.3439,
0.5459


 151.3433, 0.3370,
0.4279

 9.6366, 0.3393,
0.5859

 188.0581, 0.3357,
0.4206

 5.1587, 0.3376,
0.6620

230.2766, 0.3346,
0.4143

 2.3407, 0.2912,
0.7088

278.3834, 0.3335,

 0.7951, 0.0000,

0.4087

1.0000

332.7628, 0.3325,
0.4039

0.0000, 0.0000,
0.0000

51.8350, 0.3428,
0.4737

51.8350, 0.3428,
0.4737

50.5286, 0.3454,
0.5018

53.3332, 0.3386,
0.4441

49.3972, 0.3459,
0.5268

55.0255, 0.3332,
0.4142

48.4320, 0.3443,
0.5473

56.9224, 0.3270,
0.3852

47.6201, 0.3406,
0.5623

59.0317, 0.3204,
0.3579

47.0302, 0.3361,
0.5713

61.3608, 0.3137,
0.3325

■ 63.9167, 0.3071,
0.3094

■ 66.7059, 0.3007,
0.2886

■ 69.0885, 0.3009,
0.2790

■ 70.8953, 0.3082,
0.2801

Harmonies

Analogous

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



51.8350, 0.4129, 0.4572



51.8350, 0.3428, 0.4737



51.8350, 0.2686, 0.4344

Triad

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



51.8350, 0.3428, 0.4737



51.8350, 0.1817, 0.2283



51.8350, 0.4214, 0.2958

Complementary

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



51.8350, 0.3428, 0.4737



20.3355, 0.2621, 0.1849

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.



51.8350, 0.3449, 0.2492



51.8350, 0.3428, 0.4737



51.8350, 0.2107, 0.2108

Square

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



51.8350, 0.3428, 0.4737



51.8350, 0.1811, 0.2763



51.8350, 0.2673, 0.2190



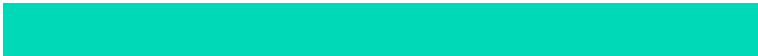
51.8350, 0.4650, 0.3514

Rectangle

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



51.8350, 0.3428, 0.4737



51.8350, 0.2270, 0.3823



51.8350, 0.2673, 0.2190



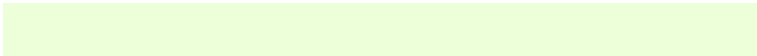
51.8350, 0.3980, 0.2789

Sweetspot

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



51.8373, 0.3428, 0.4737



94.3303, 0.3229, 0.3678



36.2472, 0.4219, 0.3935



20.0341, 0.3243, 0.3737



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.



51.8373, 0.3428, 0.4737



81.6113, 0.3456, 0.5053



47.8727, 0.3061, 0.4914



12.8080, 0.3190, 0.3524



29.0173, 0.3372, 0.5705



1.5421, 0.3522, 0.5586

Inverse Universe

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



20.3355, 0.2621, 0.1849



24.9694, 0.2474, 0.1537



26.4377, 0.3166, 0.2058



11.1147, 0.3059, 0.3056



4.5749, 0.2030, 0.0892



0.2811, 0.2245, 0.1011

Previews

White Background



This preview shows how the Yxy color 51.8350, 0.3428, 0.4737 looks on a white background.

Color Contrast Check

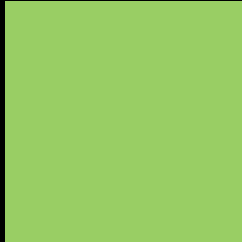
Large Text (above 18pt) WCAG AA × Fail

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 51.8350, 0.3428, 0.4737 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 51.8350, 0.3428, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 51.8350, 0.3428, 0.4737.



This preview shows how white text looks on a background with the Yxy color 51.8350, 0.3428, 0.4737.

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

51.8350, 0.3428, 0.4737

Protanopia

51.3548, 0.4033, 0.4402

Deuteranopia

51.2442, 0.4212, 0.4119



Tritanopia

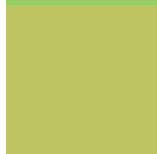
51.6717, 0.2825, 0.3086

Trichromacy



Original Color

51.8350, 0.3428, 0.4737



Protanomaly

51.1617, 0.3796, 0.4529



Deuteranomaly

50.5229, 0.3909, 0.4336



Tritanomaly

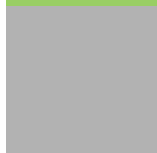
51.0770, 0.3055, 0.3667

Monochromacy



Original Color

51.8350, 0.3428, 0.4737



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

46.6035, 0.3261, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8350, 0.3428, 0.4737 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(153, 206, 100)` looks like.

```
.text, #text, p{  
    color:rgb(153, 206, 100)  
}
```

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(153, 206, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 206, 100) }
```

Border

The CSS property to change the border of an element to Yxy 51.8350, 0.3428, 0.4737 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(153, 206, 100) }
```

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

```
.border{ border-color:rgb(153, 206, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 206, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 206, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 206, 100);  
box-shadow:4px 4px 4px 4px rgb(153, 206,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8350, 0.3428, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 206, 100) }
```

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

```
.background{ background-color: rgb(153,  
206, 100) }
```

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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