

Converting Colors

Yxy(51.9300, 0.3456, 0.4710)

Have a look what the booklet for
Yxy(51.9300, 0.3456, 0.4710)
contains.

Yxy(51.7703, 0.3457, 0.4700)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.7703, 0.3457, 0.4700)

Conversions

Conversions Part 1

Format	Color
Hex	9DCD65
RGB	157, 205, 101
RGB Percent	62%, 80%, 40%
CMY	0.3845, 0.1960, 0.6039
CMYK	0.23, 0.00, 0.51, 0.20
HSL	88°, 51%, 60%
HSV	88°, 51%, 80%
XYZ	38.0787, 51.7703, 20.3006
YIQ	178.7920, 4.7760, -42.5200

Conversions

Conversions Part 2

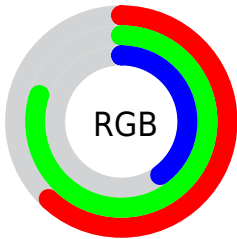
Format	Color
RYB	101, 205, 149
Decimal	10341733
CIELab	77.14, -32.88, 46.34
CIELCh	77, 56.818, 125.362
Yxy	51.7703, 0.3457, 0.4700
Android (android.graphics.Color)	4288531813 (0xFF9DCD65)
YUV	178.7920, -38.3515, -19.1116
Hunter-Lab	71.9516, -31.4483, 33.6379

Details

The Yxy color **51.7703, 0.3457, 0.4700** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.1151, 0.2592, 0.1856**, and the grayscale version is **45.1660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9992, 0.3435, 0.4379**, and **24.9265, 0.3490, 0.5094** is the 20% darker color. If you saturate the color by 10%, you get **50.5035, 0.3490, 0.4976**, and if you desaturate by 10%, it is **53.2157, 0.3408, 0.4409**.

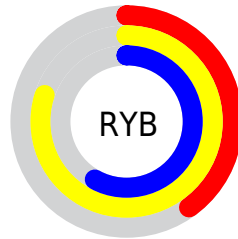
Distribution



Red (62%)

Green (80%)

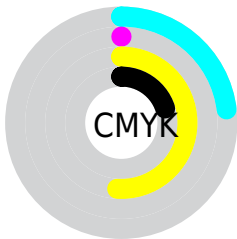
Blue (40%)



Red (40%)

Yellow (80%)

Blue (58%)

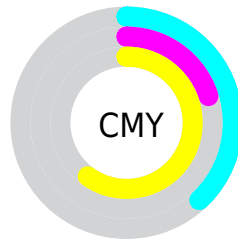


Cyan (23%)

Magenta (0%)

Yellow (51%)

Black (20%)



Cyan (38%)


Magenta (20%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7703, 0.3457, 0.4700 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 51.7703, 0.3457, 0.4700 by changing the saturation by 10% instead.


 51.7703, 0.3457,
0.4700


 51.7703, 0.3457,
0.4700


393.5492, 0.3329,
0.3979


 36.8220, 0.3474,
0.4879


 92.7924, 0.3421,
0.4437

 25.0697, 0.3487,
0.5106

 119.6350, 0.3404,
0.4339

 16.1290, 0.3487,
0.5399


 151.2112, 0.3389,
0.4256

 9.6155, 0.3454,
0.5785

 187.9053, 0.3374,
0.4184

 5.1448, 0.3451,
0.6508

230.1017, 0.3361,
0.4123

 2.3325, 0.3025,
0.6975

278.1850, 0.3350,

 0.7908, 0.0000,

0.4069

1.0000

332.5393, 0.3339,
0.4021

0.0000, 0.0000,
0.0000

51.7703, 0.3457,
0.4700

51.7703, 0.3457,
0.4700

50.5035, 0.3490,
0.4976

53.2157, 0.3408,
0.4409

49.3994, 0.3503,
0.5222

54.8414, 0.3347,
0.4115

48.4497, 0.3492,
0.5425

56.6575, 0.3278,
0.3829

47.6423, 0.3460,
0.5575

58.6711, 0.3206,
0.3559

47.0018, 0.3414,
0.5671

60.8891, 0.3132,
0.3307

■ 63.3180, 0.3061,
0.3078

■ 65.9640, 0.2992,
0.2870

■ 68.1701, 0.2990,
0.2777

■ 69.8054, 0.3058,
0.2787

Harmonies

Analogous

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



51.7703, 0.4134, 0.4527



51.7703, 0.3457, 0.4700



51.7703, 0.2730, 0.4341

Triad

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



51.7703, 0.3457, 0.4700



51.7703, 0.1840, 0.2323



51.7703, 0.4157, 0.2945

Complementary

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



51.7703, 0.3457, 0.4700



20.1151, 0.2592, 0.1856

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.



51.7703, 0.3406, 0.2493



51.7703, 0.3457, 0.4700



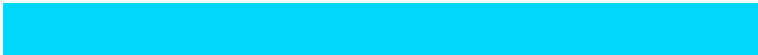
51.7703, 0.2112, 0.2136

Square

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



51.7703, 0.3457, 0.4700



51.7703, 0.1847, 0.2807



51.7703, 0.2655, 0.2206



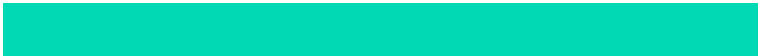
51.7703, 0.4601, 0.3488

Rectangle

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



51.7703, 0.3457, 0.4700



51.7703, 0.2316, 0.3846



51.7703, 0.2655, 0.2206



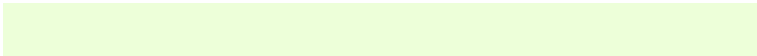
51.7703, 0.3926, 0.2780

Sweetspot

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



51.7726, 0.3457, 0.4700



94.5771, 0.3238, 0.3677



35.0425, 0.4223, 0.3885



20.0935, 0.3254, 0.3735



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.



51.7726, 0.3457, 0.4700



82.5113, 0.3492, 0.5003



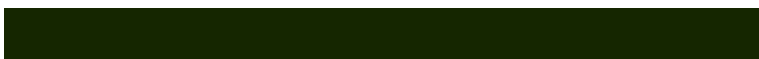
47.6864, 0.3084, 0.4877



12.8291, 0.3196, 0.3524



29.3131, 0.3424, 0.5663



1.5571, 0.3569, 0.5549

Inverse Universe

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



20.1151, 0.2592, 0.1856



24.9244, 0.2438, 0.1542



25.9723, 0.3128, 0.2059



11.0937, 0.3053, 0.3056



4.3050, 0.1960, 0.0853



0.2671, 0.2181, 0.0975

Previews

White Background



This preview shows how the Yxy color 51.7703, 0.3457, 0.4700 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 51.7703, 0.3457, 0.4700 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 51.7703, 0.3457, 0.4700

Background



This preview shows how black text looks on a background with the Yxy color 51.7703, 0.3457, 0.4700.

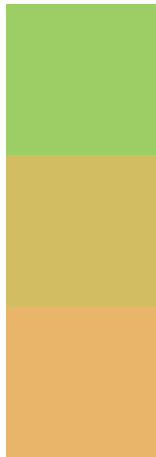


This preview shows how white text looks on a background with the Yxy color 51.7703, 0.3457, 0.4700.

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

51.7703, 0.3457, 0.4700

Protanopia

51.3731, 0.4027, 0.4392

Deuteranopia

51.2651, 0.4205, 0.4109



Tritanopia

51.5140, 0.2852, 0.3087

Trichromacy



Original Color

51.7703, 0.3457, 0.4700

Protanomaly

50.9884, 0.3813, 0.4500

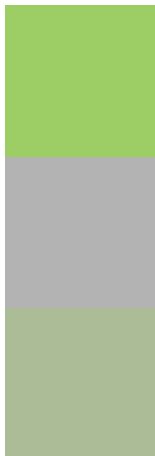
Deuteranomaly

50.8260, 0.3920, 0.4318

Tritanomaly

51.0503, 0.3087, 0.3651

Monochromacy



Original Color

51.7703, 0.3457, 0.4700

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.8587, 0.3270, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7703, 0.3457, 0.4700 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(157, 205, 101)` looks like.

```
.text, #text, p{  
    color:rgb(157, 205, 101)  
}
```

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(157, 205, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 205, 101) }
```

Border

The CSS property to change the border of an element to Yxy 51.7703, 0.3457, 0.4700 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(157, 205, 101) }
```

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

```
.border{ border-color:rgb(157, 205, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 205, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 205, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 205, 101);  
box-shadow:4px 4px 4px 4px rgb(157, 205,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7703, 0.3457, 0.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 205, 101) }
```

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

```
.background{ background-color: rgb(157,  
205, 101) }
```

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