

Converting Colors

$Yxy(38.6063, 0.3347, 0.4677)$

Have a look what the booklet for
Yxy(38.6063, 0.3347, 0.4677)
contains.

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Color

Yxy(38.5052, 0.3344, 0.4673)

Conversions

Conversions Part 1

Format	Color
Hex	81B55D
RGB	129, 181, 93
RGB Percent	51%, 71%, 36%
CMY	0.4941, 0.2902, 0.6352
CMYK	0.29, 0.00, 0.49, 0.29
HSL	95°, 37%, 54%
HSV	95°, 49%, 71%
XYZ	27.5543, 38.5052, 16.3398
YIQ	155.4200, -2.7440, -38.3920

Conversions

Conversions Part 2

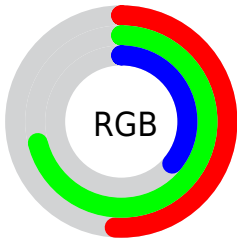
Format	Color
RYB	93, 181, 145
Decimal	8500573
CIELab	68.39, -32.84, 39.22
CIELCh	68, 51.152, 129.938
Yxy	38.5052, 0.3344, 0.4673
Android (android.graphics.Color)	4286690653 (0xFF81B55D)
YUV	155.4200, -30.7731, -23.1703
Hunter-Lab	62.0526, -29.3294, 27.8244

Details

The Yxy color **38.5052, 0.3344, 0.4673** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.1893, 0.2754, 0.1978**, and the grayscale version is **33.1165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8031, 0.3325, 0.4388**, and **17.1493, 0.3345, 0.5151** is the 20% darker color. If you saturate the color by 10%, you get **37.4288, 0.3362, 0.4973**, and if you desaturate by 10%, it is **39.7486, 0.3312, 0.4365**.

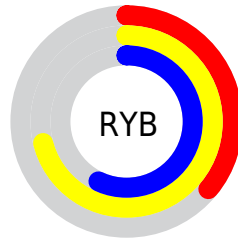
Distribution



Red (51%)

Green (71%)

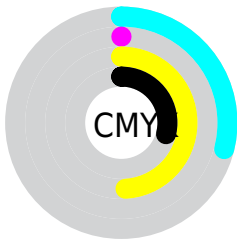
Blue (36%)



Red (36%)

Yellow (71%)

Blue (57%)

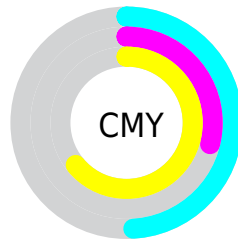


Cyan (29%)

Magenta (0%)

Yellow (49%)

Black (29%)



Cyan (49%)


Magenta (29%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5052, 0.3344, 0.4673 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 38.5052, 0.3344, 0.4673 by changing the saturation by 10% instead.


 38.5052, 0.3344,
0.4673


 38.5052, 0.3344,
0.4673


339.7822, 0.3263,
0.3926


 26.3750, 0.3350,
0.4874


 72.8818, 0.3324,
0.4390


 17.1044, 0.3348,
0.5139


 95.8971, 0.3313,
0.4287

 10.3090, 0.3323,
0.5498


 123.3094, 0.3303,
0.4201

 5.6043, 0.3252,
0.6018

 155.5033, 0.3294,
0.4129

 2.6060, 0.3096,
0.6904

192.8632, 0.3285,
0.4067

 0.9297, 0.0805,
0.9195

235.7733, 0.3277,

 0.0000, 0.0000,

0.4014

0.0000

284.6182, 0.3270,
0.3967

■ 38.5052, 0.3344,
0.4673

■ 38.5052, 0.3344,
0.4673

■ 37.4288, 0.3362,
0.4973

■ 39.7486, 0.3312,
0.4365

■ 36.5061, 0.3363,
0.5248

■ 41.1614, 0.3271,
0.4061

■ 35.7300, 0.3346,
0.5482


■ 42.7523, 0.3223,
0.3772

■ 35.0902, 0.3309,
0.5661


■ 44.5277, 0.3172,
0.3503

■ 34.5711, 0.3259,
0.5784


■ 46.4940, 0.3120,
0.3257

 34.5058, 0.3252,
0.5800

 48.6568, 0.3068,
0.3036

 51.0219, 0.3019,
0.2838

 53.5945, 0.2971,
0.2662

 56.3205, 0.2933,
0.2514

Harmonies

Analogous

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



38.5052, 0.4037, 0.4572



38.5052, 0.3344, 0.4673



38.5052, 0.2631, 0.4234

Triad

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



38.5052, 0.3344, 0.4673



38.5052, 0.1870, 0.2282



38.5052, 0.4244, 0.3026

Complementary

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



38.5052, 0.3344, 0.4673



17.1893, 0.2754, 0.1978

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.



38.5052, 0.3526, 0.2557



38.5052, 0.3344, 0.4673



38.5052, 0.2183, 0.2138

Square

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



38.5052, 0.3344, 0.4673



38.5052, 0.1834, 0.2717



38.5052, 0.2762, 0.2242



38.5052, 0.4619, 0.3574

Rectangle

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



38.5052, 0.3344, 0.4673



38.5052, 0.2242, 0.3716



38.5052, 0.2762, 0.2242



38.5052, 0.4029, 0.2857

Sweetspot

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



38.5069, 0.3344, 0.4673



77.5971, 0.3206, 0.3679



30.6650, 0.4067, 0.4016



16.6331, 0.3217, 0.3736



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.5069, 0.3344, 0.4673



66.9684, 0.3362, 0.4983



36.3036, 0.3011, 0.4679



9.6541, 0.3176, 0.3521



23.8255, 0.3261, 0.5792



0.7842, 0.3496, 0.5606

Inverse Universe

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



17.1893, 0.2754, 0.1978



24.3872, 0.2647, 0.1702



20.6992, 0.3269, 0.2213



8.4700, 0.3075, 0.3061



4.4945, 0.2225, 0.0999



0.1745, 0.2501, 0.1151

Previews

White Background



This preview shows how the Yxy color 38.5052, 0.3344, 0.4673 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 38.5052, 0.3344, 0.4673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

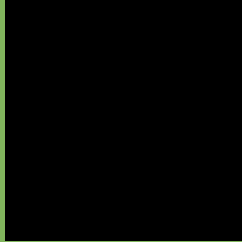
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5052, 0.3344, 0.4673

Background



This preview shows how black text looks on a background with the Yxy color 38.5052, 0.3344, 0.4673.



This preview shows how white text looks on a background with the Yxy color 38.5052, 0.3344, 0.4673.

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

38.5052, 0.3344, 0.4673

Protanopia

38.0443, 0.3982, 0.4338

Deuteranopia

38.2537, 0.4132, 0.4053



Tritanopia

38.4262, 0.2788, 0.3101

Trichromacy



Original Color

38.5052, 0.3344, 0.4673

Protanomaly

37.6505, 0.3732, 0.4459

Deuteranomaly

37.6145, 0.3822, 0.4271

Tritanomaly

38.2976, 0.2998, 0.3657

Monochromacy



Original Color

38.5052, 0.3344, 0.4673

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.3279, 0.3236, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5052, 0.3344, 0.4673 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(129, 181, 93)` looks like.

```
.text, #text, p{  
    color:rgb(129, 181, 93)  
}
```

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(129, 181, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 181, 93) }
```

Border

The CSS property to change the border of an element to Yxy 38.5052, 0.3344, 0.4673 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(129, 181, 93) }
```

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

```
.border{ border-color:rgb(129, 181, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 181, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 181, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 181, 93);  
box-shadow:4px 4px 4px 4px rgb(129, 181,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5052, 0.3344, 0.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 181, 93) }
```

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

```
.background{ background-color: rgb(129,  
181, 93) }
```

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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