

Converting Colors

Yxy(51.8982, 0.3324, 0.4855)

Have a look what the booklet for
Yxy(51.8982, 0.3324, 0.4855)
contains.

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Color

Yxy(51.9530, 0.3327, 0.4855)

Conversions

Conversions Part 1

Format	Color
Hex	8BD161
RGB	139, 209, 97
RGB Percent	55%, 82%, 38%
CMY	0.4550, 0.1804, 0.6197
CMYK	0.34, 0.00, 0.54, 0.18
HSL	98°, 55%, 60%
HSV	98°, 54%, 82%
XYZ	35.6020, 51.9530, 19.4543
YIQ	175.3020, -5.7680, -49.6720

Conversions

Conversions Part 2

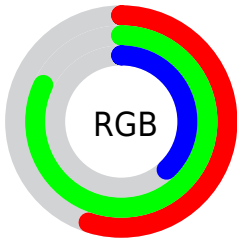
Format	Color
RYB	97, 209, 167
Decimal	9163105
CIELab	77.25, -41.53, 48.13
CIElCh	77, 63.572, 130.785
Yxy	51.9530, 0.3327, 0.4855
Android (android.graphics.Color)	4287353185 (0xFF8BD161)
YUV	175.3020, -38.6029, -31.8369
Hunter-Lab	72.0784, -37.9700, 34.4523

Details

The Yxy color **51.9530, 0.3327, 0.4855** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **21.3652, 0.2738, 0.1844**, and the grayscale version is **43.2382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3241, 0.3338, 0.4466**, and **25.1855, 0.3310, 0.5315** is the 20% darker color. If you saturate the color by 10%, you get **50.5574, 0.3332, 0.5151**, and if you desaturate by 10%, it is **53.5902, 0.3307, 0.4541**.

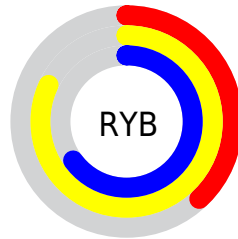
Distribution



Red (55%)

Green (82%)

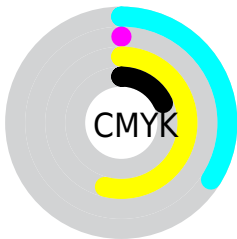
Blue (38%)



Red (38%)

Yellow (82%)

Blue (65%)

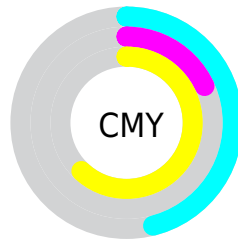


Cyan (34%)

Magenta (0%)

Yellow (54%)

Black (18%)



Cyan (46%)


Magenta (18%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9530, 0.3327, 0.4855 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 51.9530, 0.3327, 0.4855 by changing the saturation by 10% instead.

 51.9530, 0.3327,
0.4855

 51.9530, 0.3327,
0.4855


394.2551, 0.3271,
0.4046

 36.9676, 0.3324,
0.5058


 93.0619, 0.3318,
0.4558


 25.1824, 0.3311,
0.5317


 119.9542, 0.3311,
0.4448

 16.2130, 0.3273,
0.5654


 151.5843, 0.3304,
0.4354

 9.6750, 0.3186,
0.6099

 188.3366, 0.3297,
0.4274

 5.1840, 0.3086,
0.6914

230.5954, 0.3290,
0.4205

 2.3556, 0.2539,
0.7461

278.7452, 0.3283,

 0.8029, 0.0000,

0.4146

1.0000

333.1703, 0.3277,
0.4093

■ 0.0000, 0.0000,
0.0000

■ 51.9530, 0.3327,
0.4855

■ 51.9530, 0.3327,
0.4855

■ 50.5574, 0.3332,
0.5151

■ 53.5902, 0.3307,
0.4541

■ 49.3837, 0.3319,
0.5412

■ 55.4741, 0.3275,
0.4227

■ 48.4196, 0.3289,
0.5621

■ 57.6179, 0.3236,
0.3923

■ 47.6482, 0.3242,
0.5768

■ 60.0318, 0.3191,
0.3639

■ 47.2404, 0.3208,
0.5835

■ 62.7255, 0.3144,
0.3378

■ 65.7082, 0.3097,
0.3142

■ 68.9884, 0.3051,
0.2932

■ 71.9689, 0.3066,
0.2830

■ 74.0855, 0.3148,
0.2841

Harmonies

Analogous

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



51.9530, 0.4102, 0.4722



51.9530, 0.3327, 0.4855



51.9530, 0.2542, 0.4345

Triad

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



51.9530, 0.3327, 0.4855



51.9530, 0.1749, 0.2160



51.9530, 0.4401, 0.3003

Complementary

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



51.9530, 0.3327, 0.4855



21.3652, 0.2738, 0.1844

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.



51.9530, 0.3594, 0.2491



51.9530, 0.3327, 0.4855



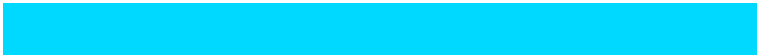
51.9530, 0.2095, 0.2020

Square

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



51.9530, 0.3327, 0.4855



51.9530, 0.1698, 0.2620



51.9530, 0.2736, 0.2143



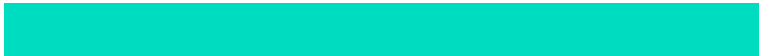
51.9530, 0.4802, 0.3599

Rectangle

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



51.9530, 0.3327, 0.4855



51.9530, 0.2121, 0.3740



51.9530, 0.2736, 0.2143



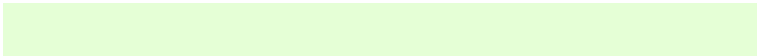
51.9530, 0.4162, 0.2819

Sweetspot

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



51.9552, 0.3327, 0.4855



93.1251, 0.3203, 0.3710



41.7148, 0.4170, 0.4132



19.7613, 0.3212, 0.3769



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.



51.9552, 0.3327, 0.4855



79.0601, 0.3331, 0.5183



49.2724, 0.2981, 0.4808



13.4191, 0.3172, 0.3526



29.1761, 0.3218, 0.5827



1.6761, 0.3365, 0.5710

Inverse Universe

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



21.3652, 0.2738, 0.1844



26.2845, 0.2627, 0.1567



26.0845, 0.3330, 0.2143



11.7784, 0.3079, 0.3057



5.8539, 0.2294, 0.1037



0.3718, 0.2462, 0.1130

Previews

White Background



This preview shows how the Yxy color 51.9530, 0.3327, 0.4855 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 51.9530, 0.3327, 0.4855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

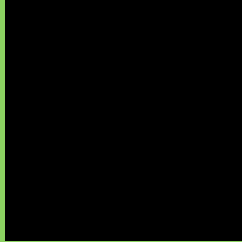
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9530, 0.3327, 0.4855

Background



This preview shows how black text looks on a background with the Yxy color 51.9530, 0.3327, 0.4855.



This preview shows how white text looks on a background with the Yxy color 51.9530, 0.3327, 0.4855.

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

51.9530, 0.3327, 0.4855

Protanopia

51.2839, 0.4059, 0.4441

Deuteranopia

51.2030, 0.4227, 0.4138



Tritanopia

51.8541, 0.2732, 0.3096

Trichromacy



Original Color

51.9530, 0.3327, 0.4855



Protanomaly

50.9132, 0.3771, 0.4603



Deuteranomaly

50.2070, 0.3878, 0.4399



Tritanomaly

51.1596, 0.2958, 0.3717

Monochromacy



Original Color

51.9530, 0.3327, 0.4855



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.3286, 0.3225, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9530, 0.3327, 0.4855 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(139, 209, 97)` looks like.

```
.text, #text, p{  
    color:rgb(139, 209, 97)  
}
```

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(139, 209, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 209, 97) }
```

Border

The CSS property to change the border of an element to Yxy 51.9530, 0.3327, 0.4855 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(139, 209, 97) }
```

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

```
.border{ border-color:rgb(139, 209, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 209, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 209, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 209, 97);  
box-shadow:4px 4px 4px 4px rgb(139, 209,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9530, 0.3327, 0.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 209, 97) }
```

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

```
.background{ background-color: rgb(139,  
209, 97) }
```

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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