

Converting Colors

$Yxy(51.3245, 0.3179, 0.4522)$

Have a look what the booklet for
Yxy(51.3245, 0.3179, 0.4522)
contains.

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Color

Yxy(51.3245, 0.3179, 0.4522)

Conversions

Conversions Part 1

Format	Color
Hex	89CF79
RGB	137, 207, 121
RGB Percent	54%, 81%, 47%
CMY	0.4627, 0.1882, 0.5255
CMYK	0.34, 0.00, 0.42, 0.19
HSL	109°, 47%, 64%
HSV	109°, 42%, 81%
XYZ	36.0815, 51.3245, 26.0935
YIQ	176.2660, -14.1140, -41.5860

Conversions

Conversions Part 2

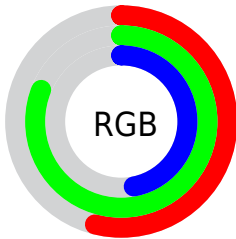
Format	Color
RYB	121, 207, 191
Decimal	9031545
CIELab	76.88, -38.29, 35.90
CIELCh	77, 52.487, 136.842
Yxy	51.3245, 0.3179, 0.4522
Android (android.graphics.Color)	4287221625 (0xFF89CF79)
YUV	176.2660, -27.2461, -34.4363
Hunter-Lab	71.6411, -35.4718, 28.5538

Details

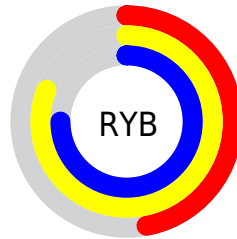
The Yxy color **51.3245, 0.3179, 0.4522** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.2557, 0.3012, 0.2226**, and the grayscale version is **43.7146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9134, 0.3198, 0.4201**, and **24.7504, 0.3150, 0.4893** is the 20% darker color. If you saturate the color by 10%, you get **49.5576, 0.3178, 0.4861**, and if you desaturate by 10%, it is **53.4270, 0.3173, 0.4189**.

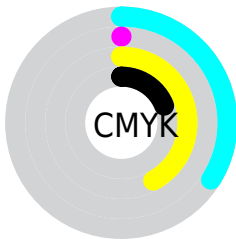
Distribution



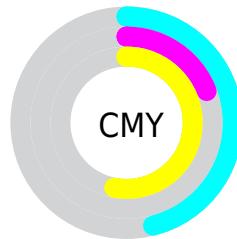
- Red (54%)
- Green (81%)
- Blue (47%)



- Red (47%)
- Yellow (81%)
- Blue (75%)



- Cyan (34%)
- Magenta (0%)
- Yellow (42%)
- Black (19%)





- Cyan (46%)
- Magenta (19%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3245, 0.3179, 0.4522 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 51.3245, 0.3179, 0.4522 by changing the saturation by 10% instead.


 51.3245, 0.3179,
0.4522

 51.3245, 0.3179,
0.4522


391.8232, 0.3177,
0.3882


 36.4669, 0.3171,
0.4687


 92.1343, 0.3185,
0.4285

 24.7950, 0.3154,
0.4901


 118.8552, 0.3185,
0.4197

 15.9244, 0.3122,
0.5188


 150.2995, 0.3184,
0.4123

 9.4707, 0.3058,
0.5587


186.8513, 0.3183,
0.4060

 5.0494, 0.2927,
0.6180

228.8953, 0.3182,
0.4006

 2.2763, 0.2698,
0.7302

276.8156, 0.3181,

 0.7611, 0.0000,

0.3959

1.0000

330.9968, 0.3179,
0.3918

0.0000, 0.0000,
0.0000

51.3245, 0.3179,
0.4522

51.3245, 0.3179,
0.4522

49.5576, 0.3178,
0.4861

53.4270, 0.3173,
0.4189

48.1026, 0.3168,
0.5188

55.8746, 0.3162,
0.3874

46.9425, 0.3149,
0.5478

58.6846, 0.3147,
0.3586


46.0563, 0.3121,
0.5712

61.8708, 0.3130,
0.3327


45.4199, 0.3086,
0.5872

65.4468, 0.3112,
0.3098

 45.0493, 0.3058,
0.5954

 69.4251, 0.3094,
0.2898

 73.0955, 0.3149,
0.2821

 73.1071, 0.3149,
0.2821

Harmonies

Analogous

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



51.3245, 0.3850, 0.4549



51.3245, 0.3179, 0.4522



51.3245, 0.2530, 0.4010

Triad

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



51.3245, 0.3179, 0.4522



51.3245, 0.1987, 0.2290



51.3245, 0.4285, 0.3162

Complementary

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



51.3245, 0.3179, 0.4522



29.2557, 0.3012, 0.2226

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.



51.3245, 0.3670, 0.2692



51.3245, 0.3179, 0.4522



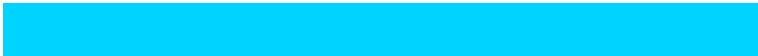
51.3245, 0.2346, 0.2207

Square

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



51.3245, 0.3179, 0.4522



51.3245, 0.1893, 0.2640



51.3245, 0.2943, 0.2354



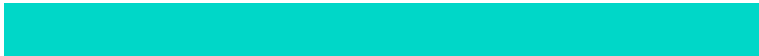
51.3245, 0.4539, 0.3691

Rectangle

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



51.3245, 0.3179, 0.4522



51.3245, 0.2197, 0.3513



51.3245, 0.2943, 0.2354



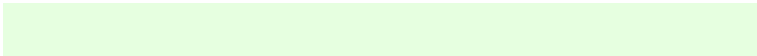
51.3245, 0.4110, 0.2996

Sweetspot

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



51.3267, 0.3179, 0.4522



93.7624, 0.3148, 0.3602



51.3877, 0.3821, 0.4129



19.9353, 0.3150, 0.3639



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.



51.3267, 0.3179, 0.4522



79.6670, 0.3178, 0.4829



50.7924, 0.2913, 0.4174



13.3106, 0.3143, 0.3528



28.4126, 0.3064, 0.5949



1.6211, 0.3182, 0.5855

Inverse Universe

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



29.2557, 0.3012, 0.2226



39.5616, 0.2975, 0.2004



30.2852, 0.3447, 0.2551



11.8932, 0.3108, 0.3059



8.1544, 0.2745, 0.1286



0.4854, 0.2835, 0.1335

Previews

White Background



This preview shows how the Yxy color 51.3245, 0.3179, 0.4522 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 51.3245, 0.3179, 0.4522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

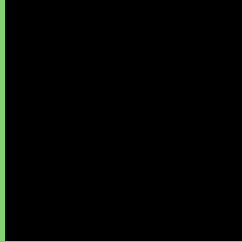
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3245, 0.3179, 0.4522

Background



This preview shows how black text looks on a background with the Yxy color 51.3245, 0.3179, 0.4522.



This preview shows how white text looks on a background with the Yxy color 51.3245, 0.3179, 0.4522.

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

51.3245, 0.3179, 0.4522

Protanopia

50.8755, 0.3878, 0.4201

Deuteranopia

50.7488, 0.3990, 0.3915



Tritanopia

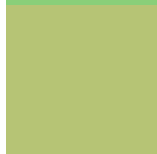
51.0056, 0.2704, 0.3081

Trichromacy



Original Color

51.3245, 0.3179, 0.4522



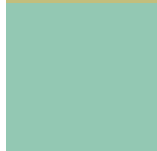
Protanomaly

50.7093, 0.3600, 0.4321



Deuteranomaly

49.7769, 0.3672, 0.4120



Tritanomaly

50.7663, 0.2877, 0.3578

Monochromacy



Original Color

51.3245, 0.3179, 0.4522



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.6223, 0.3156, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3245, 0.3179, 0.4522 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(137, 207, 121)` looks like.

```
.text, #text, p{  
    color:rgb(137, 207, 121)  
}
```

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(137, 207, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 207, 121) }
```

Border

The CSS property to change the border of an element to Yxy 51.3245, 0.3179, 0.4522 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(137, 207, 121) }
```

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

```
.border{ border-color:rgb(137, 207, 121) }
```

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

Here you see how a box with a 4 pixel rgb(137, 207, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 207, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 207, 121);  
box-shadow:4px 4px 4px 4px rgb(137, 207,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3245, 0.3179, 0.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 207, 121) }
```

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

```
.background{ background-color: rgb(137,  
207, 121) }
```

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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