

Converting Colors

Yxy(51.0858, 0.3235, 0.4910)

Have a look what the booklet for
Yxy(51.0858, 0.3235, 0.4910)
contains.

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Color

Yxy(50.8996, 0.3233, 0.4902)

Conversions

Conversions Part 1

Format	Color
Hex	7ED161
RGB	126, 209, 97
RGB Percent	49%, 82%, 38%
CMY	0.5056, 0.1804, 0.6196
CMYK	0.40, 0.00, 0.54, 0.18
HSL	104°, 55%, 60%
HSV	104°, 54%, 82%
XYZ	33.5696, 50.8996, 19.3651
YIQ	171.4150, -13.5160, -52.4280

Conversions

Conversions Part 2

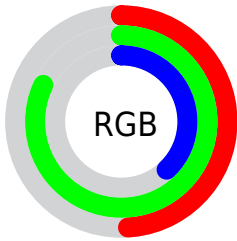
Format	Color
RYB	97, 209, 180
Decimal	8311137
CIELab	76.62, -45.78, 47.21
CIELCh	77, 65.767, 134.120
Yxy	50.8996, 0.3233, 0.4902
Android (android.graphics.Color)	4286501217 (0xFF7ED161)
YUV	171.4150, -36.6866, -39.8290
Hunter-Lab	71.3440, -40.8619, 33.8475

Details

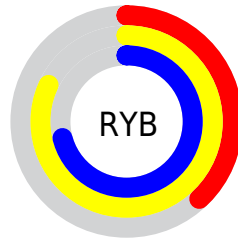
The Yxy color **50.8996, 0.3233, 0.4902** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **22.8487, 0.2874, 0.1899**, and the grayscale version is **41.1463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7893, 0.3261, 0.4495**, and **24.6028, 0.3190, 0.5393** is the 20% darker color. If you saturate the color by 10%, you get **49.4742, 0.3226, 0.5214**, and if you desaturate by 10%, it is **52.6141, 0.3228, 0.4573**.

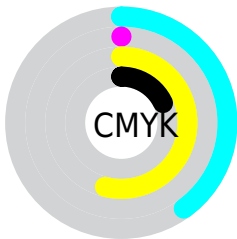
Distribution



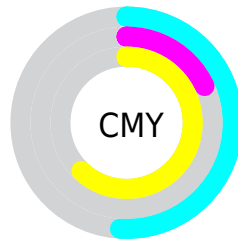
- Red (49%)
- Green (82%)
- Blue (38%)



- Red (38%)
- Yellow (82%)
- Blue (71%)



- Cyan (40%)
- Magenta (0%)
- Yellow (54%)
- Black (18%)





- Cyan (51%)
- Magenta (18%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8996, 0.3233, 0.4902 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 50.8996, 0.3233, 0.4902 by changing the saturation by 10% instead.


 50.8996, 0.3233,
0.4902


 50.8996, 0.3233,
0.4902


390.1736, 0.3224,
0.4060


 36.1287, 0.3218,
0.5117


 91.5063, 0.3242,
0.4591

 24.5336, 0.3189,
0.5392


 118.1110, 0.3241,
0.4476

 15.7299, 0.3131,
0.5753


 149.4290, 0.3240,
0.4378

 9.3332, 0.3014,
0.6237

 185.8448, 0.3237,
0.4296

 4.9592, 0.2868,
0.7132

227.7428, 0.3234,
0.4225

 2.2233, 0.2211,
0.7789

275.5073, 0.3231,

 0.7327, 0.0000,

0.4163

1.0000

329.5228, 0.3227,
0.4108

0.0000, 0.0000,
0.0000

50.8996, 0.3233,
0.4902

50.8996, 0.3233,
0.4902

49.4742, 0.3226,
0.5214

52.6141, 0.3228,
0.4573

48.3148, 0.3207,
0.5489

54.6262, 0.3213,
0.4245

47.4050, 0.3174,
0.5706

56.9523, 0.3192,
0.3931

46.7235, 0.3132,
0.5854

59.6055, 0.3166,
0.3641

46.3887, 0.3104,
0.5917

62.5979, 0.3138,
0.3378

■ 65.9414, 0.3108,
0.3142

■ 69.6471, 0.3079,
0.2934

■ 73.1187, 0.3112,
0.2836

■ 74.0779, 0.3148,
0.2841

Harmonies

Analogous

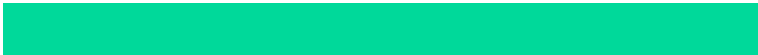
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.8996, 0.4048, 0.4816



50.8996, 0.3233, 0.4902



50.8996, 0.2434, 0.4297

Triad

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



50.8996, 0.3233, 0.4902



50.8996, 0.1728, 0.2087



50.8996, 0.4527, 0.3053

Complementary

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



50.8996, 0.3233, 0.4902



22.8487, 0.2874, 0.1899

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.



50.8996, 0.3715, 0.2514



50.8996, 0.3233, 0.4902



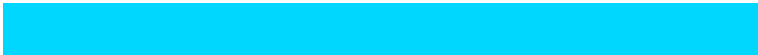
50.8996, 0.2117, 0.1979

Square

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



50.8996, 0.3233, 0.4902



50.8996, 0.1641, 0.2518



50.8996, 0.2810, 0.2135



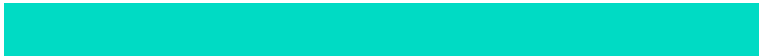
50.8996, 0.4879, 0.3671

Rectangle

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



50.8996, 0.3233, 0.4902



50.8996, 0.2022, 0.3646



50.8996, 0.2810, 0.2135



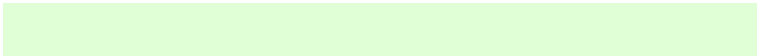
50.8996, 0.4292, 0.2861

Sweetspot

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



50.9018, 0.3233, 0.4902



92.3587, 0.3173, 0.3714



46.7100, 0.4081, 0.4274



19.5800, 0.3178, 0.3774



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.



50.9018, 0.3233, 0.4902



77.3699, 0.3225, 0.5248



49.5731, 0.2910, 0.4608



13.3524, 0.3154, 0.3528



28.6444, 0.3112, 0.5911



1.6404, 0.3249, 0.5802

Inverse Universe

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



22.8487, 0.2874, 0.1899



28.9334, 0.2800, 0.1646



25.5180, 0.3485, 0.2274



11.8483, 0.3097, 0.3058



7.1702, 0.2565, 0.1187



0.4379, 0.2688, 0.1254

Previews

White Background



This preview shows how the Yxy color 50.8996, 0.3233, 0.4902 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 50.8996, 0.3233, 0.4902 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 50.8996, 0.3233, 0.4902

Background



This preview shows how black text looks on a background with the Yxy color 50.8996, 0.3233, 0.4902.



This preview shows how white text looks on a background with the Yxy color 50.8996, 0.3233, 0.4902.

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

50.8996, 0.3233, 0.4902

Protanopia

50.1145, 0.4061, 0.4439

Deuteranopia

50.0831, 0.4215, 0.4115



Tritanopia

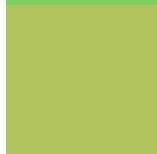
50.7970, 0.2660, 0.3092

Trichromacy



Original Color

50.8996, 0.3233, 0.4902



Protanomaly

49.7351, 0.3723, 0.4620



Deuteranomaly

48.9927, 0.3822, 0.4401



Tritanomaly

50.1645, 0.2881, 0.3726

Monochromacy



Original Color

50.8996, 0.3233, 0.4902



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.6801, 0.3191, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8996, 0.3233, 0.4902 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(126, 209, 97)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 209, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 209, 97) }
```

Border

The CSS property to change the border of an element to Yxy 50.8996, 0.3233, 0.4902 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(126, 209, 97) }
```

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

```
.border{ border-color:rgb(126, 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(126, 209, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 209, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 209, 97);  
box-shadow:4px 4px 4px 4px rgb(126, 209,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8996, 0.3233, 0.4902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 209, 97) }
```

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

```
.background{ background-color: rgb(126,  
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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