

Converting Colors

Yxy(51.7358, 0.3156, 0.4659)

Have a look what the booklet for
Yxy(51.7358, 0.3156, 0.4659)
contains.

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Color

Yxy(51.5059, 0.3155, 0.4650)

Conversions

Conversions Part 1

Format	Color
Hex	81D173
RGB	129, 209, 115
RGB Percent	51%, 82%, 45%
CMY	0.4941, 0.1804, 0.5491
CMYK	0.38, 0.00, 0.45, 0.18
HSL	111°, 51%, 64%
HSV	111°, 45%, 82%
XYZ	34.9465, 51.5059, 24.3130
YIQ	174.3640, -17.5060, -46.1940

Conversions

Conversions Part 2

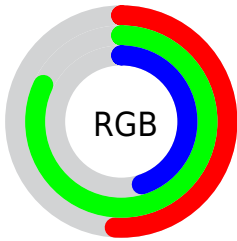
Format	Color
RYB	115, 209, 195
Decimal	8507763
CIELab	76.98, -42.60, 38.98
CIELCh	77, 57.741, 137.536
Yxy	51.5059, 0.3155, 0.4650
Android (android.graphics.Color)	4286697843 (0xFF81D173)
YUV	174.3640, -29.2665, -39.7842
Hunter-Lab	71.7676, -38.6746, 30.1514

Details

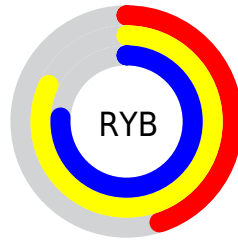
The Yxy color **51.5059, 0.3155, 0.4650** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **28.4623, 0.3034, 0.2151**, and the grayscale version is **42.6841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6614, 0.3180, 0.4285**, and **24.9372, 0.3117, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **49.8067, 0.3148, 0.4992**, and if you desaturate by 10%, it is **53.5610, 0.3156, 0.4309**.

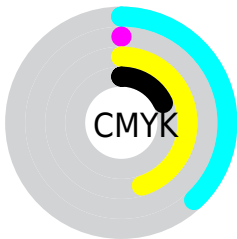
Distribution



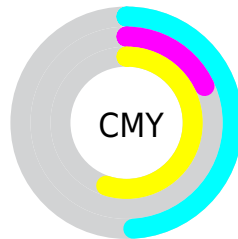
- Red (51%)
- Green (82%)
- Blue (45%)



- Red (45%)
- Yellow (82%)
- Blue (76%)



- Cyan (38%)
- Magenta (0%)
- Yellow (45%)
- Black (18%)





- Cyan (49%)
- Magenta (18%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5059, 0.3155, 0.4650 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 51.5059, 0.3155, 0.4650 by changing the saturation by 10% instead.

 51.5059, 0.3155,
0.4650


 51.5059, 0.3155,
0.4650

392.5261, 0.3171,
0.3941


 36.6114, 0.3140,
0.4833


 92.4021, 0.3168,
0.4387

 24.9067, 0.3115,
0.5070


 119.1727, 0.3171,
0.4290

 16.0076, 0.3068,
0.5387


 150.6706, 0.3172,
0.4208

 9.5295, 0.2980,
0.5825

187.2804, 0.3173,
0.4138

 5.0882, 0.2823,
0.6503

229.3865, 0.3173,
0.4079

 2.2991, 0.2453,
0.7547

277.3732, 0.3172,

 0.7732, 0.0000,

0.4027

1.0000

331.6250, 0.3172,
0.3981

■ 0.0000, 0.0000,
0.0000

■ 51.5059, 0.3155,
0.4650

■ 51.5059, 0.3155,
0.4650

■ 49.8067, 0.3148,
0.4992

■ 53.5610, 0.3156,
0.4309

■ 48.4367, 0.3133,
0.5312

■ 55.9838, 0.3152,
0.3983

■ 47.3762, 0.3111,
0.5587

■ 58.7936, 0.3144,
0.3683


■ 46.6001, 0.3083,
0.5796

■ 62.0066, 0.3133,
0.3413


■ 46.0795, 0.3053,
0.5926

■ 65.6377, 0.3121,
0.3174

 45.8977, 0.3039,
0.5969

 69.7014, 0.3108,
0.2964

 73.7997, 0.3137,
0.2840

 74.0841, 0.3148,
0.2841

Harmonies

Analogous

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



51.5059, 0.3887, 0.4673



51.5059, 0.3155, 0.4650



51.5059, 0.2454, 0.4070

Triad

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



51.5059, 0.3155, 0.4650



51.5059, 0.1899, 0.2196



51.5059, 0.4412, 0.3155

Complementary

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



51.5059, 0.3155, 0.4650



28.4623, 0.3034, 0.2151

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.



51.5059, 0.3738, 0.2650



51.5059, 0.3155, 0.4650



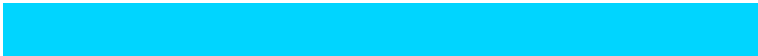
51.5059, 0.2288, 0.2119

Square

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



51.5059, 0.3155, 0.4650



51.5059, 0.1790, 0.2560



51.5059, 0.2939, 0.2284



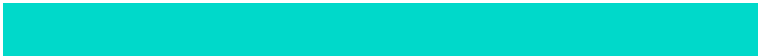
51.5059, 0.4673, 0.3722

Rectangle

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



51.5059, 0.3155, 0.4650



51.5059, 0.2101, 0.3510



51.5059, 0.2939, 0.2284



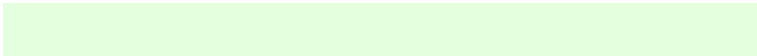
51.5059, 0.4222, 0.2976

Sweetspot

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



51.5081, 0.3155, 0.4650



93.0827, 0.3142, 0.3631



53.7802, 0.3859, 0.4245



19.6959, 0.3144, 0.3694



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.



51.5081, 0.3155, 0.4650



78.1994, 0.3148, 0.4979



51.3823, 0.2871, 0.4190



13.2896, 0.3138, 0.3529



28.3239, 0.3045, 0.5964



1.6113, 0.3148, 0.5883

Inverse Universe

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



28.4623, 0.3034, 0.2151



37.5862, 0.3003, 0.1928



28.9519, 0.3538, 0.2544



11.9161, 0.3114, 0.3059



8.6976, 0.2838, 0.1337



0.5111, 0.2910, 0.1377

Previews

White Background



This preview shows how the Yxy color 51.5059, 0.3155, 0.4650 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 51.5059, 0.3155, 0.4650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

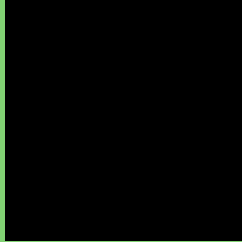
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5059, 0.3155, 0.4650

Background



This preview shows how black text looks on a background with the Yxy color 51.5059, 0.3155, 0.4650.



This preview shows how white text looks on a background with the Yxy color 51.5059, 0.3155, 0.4650.

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

51.5059, 0.3155, 0.4650

Protanopia

50.8878, 0.3931, 0.4264

Deuteranopia

50.9469, 0.4050, 0.3965



Tritanopia

51.4463, 0.2656, 0.3080

Trichromacy



Original Color

51.5059, 0.3155, 0.4650



Protanomaly

50.2113, 0.3615, 0.4406



Deuteranomaly

49.8000, 0.3695, 0.4211



Tritanomaly

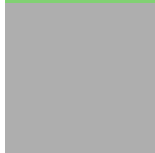
51.0309, 0.2838, 0.3623

Monochromacy



Original Color

51.5059, 0.3155, 0.4650



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.1097, 0.3146, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5059, 0.3155, 0.4650 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, 209, 115)` looks like.

```
.text, #text, p{  
    color:rgb(129, 209, 115)  
}
```

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, 209, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 209, 115) }
```

Border

The CSS property to change the border of an element to Yxy 51.5059, 0.3155, 0.4650 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, 209, 115) }
```

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

```
.border{ border-color:rgb(129, 209, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 209, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 209, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 209, 115);  
box-shadow:4px 4px 4px 4px rgb(129, 209,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5059, 0.3155, 0.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 209, 115) }
```

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

```
.background{ background-color: rgb(129,  
209, 115) }
```

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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