

Converting Colors

$Y_{xy}(65.7399, 0.3158, 0.5136)$

Have a look what the booklet for
Yxy(65.7399, 0.3158, 0.5136)
contains.

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Color

Yxy(65.4964, 0.3159, 0.5131)

Conversions

Conversions Part 1

Format	Color
Hex	79ED61
RGB	121, 237, 97
RGB Percent	47%, 93%, 38%
CMY	0.5256, 0.0706, 0.6196
CMYK	0.49, 0.00, 0.59, 0.07
HSL	110°, 80%, 65%
HSV	110°, 59%, 93%
XYZ	40.3241, 65.4964, 21.8279
YIQ	186.3560, -24.1960, -68.1320

Conversions

Conversions Part 2

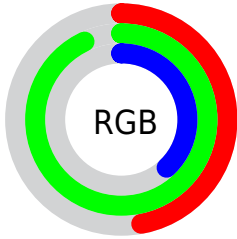
Format	Color
RYB	97, 237, 213
Decimal	7990625
CIELab	84.74, -58.52, 56.64
CIELCh	85, 81.435, 135.935
Yxy	65.4964, 0.3159, 0.5131
Android (android.graphics.Color)	4286180705 (0xFF79ED61)
YUV	186.3560, -44.0525, -57.3172
Hunter-Lab	80.9298, -52.6878, 40.6596

Details

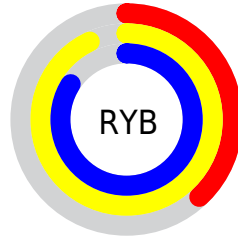
The Yxy color **65.4964, 0.3159, 0.5131** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **28.8201, 0.2956, 0.1812**, and the grayscale version is **49.5730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4903, 0.3233, 0.4479**, and **33.6725, 0.3083, 0.5639** is the 20% darker color. If you saturate the color by 10%, you get **63.8438, 0.3141, 0.5434**, and if you desaturate by 10%, it is **67.5755, 0.3168, 0.4796**.

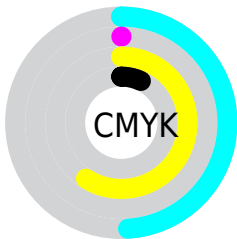
Distribution



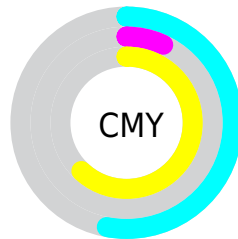
- Red (47%)
- Green (93%)
- Blue (38%)



- Red (38%)
- Yellow (93%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (59%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4964, 0.3159, 0.5131 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 65.4964, 0.3159, 0.5131 by changing the saturation by 10% instead.


 65.4964, 0.3159,
0.5131


 65.4964, 0.3159,
0.5131

444.5737, 0.3201,
0.4203

 47.8637, 0.3130,
0.5355


 112.7632, 0.3188,
0.4797

 33.7190, 0.3084,
0.5636


 143.1661, 0.3195,
0.4670

 22.6778, 0.3005,
0.5992


 178.5946, 0.3199,
0.4563

 14.3558, 0.2870,
0.6450

 219.4330, 0.3201,
0.4470

 8.3685, 0.2666,
0.7139

266.0657, 0.3202,
0.4390

 4.3317, 0.2198,
0.7802

318.8771, 0.3202,

 1.8608, 0.0617,

0.4320

0.9383

378.2516, 0.3202,
0.4258

0.5246, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.4964, 0.3159,
0.5131

65.4964, 0.3159,
0.5131

63.8438, 0.3141,
0.5434

67.5755, 0.3168,
0.4796

62.5796, 0.3115,
0.5682


70.0997, 0.3169,
0.4452

61.6726, 0.3083,
0.5857

73.0963, 0.3164,
0.4118


61.0785, 0.3049,
0.5956

76.5880, 0.3154,
0.3805

 61.0355, 0.3047,
0.5963

 80.5961, 0.3141,
0.3521

 85.1406, 0.3126,
0.3268

 89.0531, 0.3135,
0.3117

Harmonies

Analogous

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



65.4964, 0.4073, 0.5022



65.4964, 0.3159, 0.5131



65.4964, 0.2285, 0.4390

Triad

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



65.4964, 0.3159, 0.5131



65.4964, 0.1596, 0.1931



65.4964, 0.4761, 0.3046

Complementary

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



65.4964, 0.3159, 0.5131



28.8201, 0.2956, 0.1812

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.



65.4964, 0.3852, 0.2454



65.4964, 0.3159, 0.5131



65.4964, 0.2035, 0.1842

Square

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



65.4964, 0.3159, 0.5131



65.4964, 0.1479, 0.2366



65.4964, 0.2818, 0.2029



65.4964, 0.5103, 0.3717

Rectangle

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



65.4964, 0.3159, 0.5131



65.4964, 0.1849, 0.3615



65.4964, 0.2818, 0.2029



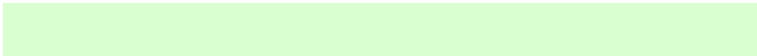
65.4964, 0.4503, 0.2836

Sweetspot

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



65.4992, 0.3159, 0.5131



90.8732, 0.3153, 0.3776



65.6279, 0.4116, 0.4468



19.1758, 0.3156, 0.3863



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.



65.4992, 0.3159, 0.5131



75.0130, 0.3136, 0.5495



65.0485, 0.2843, 0.4617



16.9860, 0.3141, 0.3532



33.3591, 0.3054, 0.5957



2.6558, 0.3135, 0.5893

Inverse Universe

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



28.8201, 0.2956, 0.1812



27.9608, 0.2903, 0.1584



30.3933, 0.3676, 0.2290



15.1758, 0.3111, 0.3056



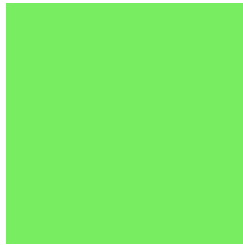
9.8286, 0.2780, 0.1305



0.8062, 0.2843, 0.1340

Previews

White Background



This preview shows how the Yxy color 65.4964, 0.3159, 0.5131 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 65.4964, 0.3159, 0.5131 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 65.4964, 0.3159, 0.5131

Background



This preview shows how black text looks on a background with the Yxy color 65.4964, 0.3159, 0.5131.



This preview shows how white text looks on a background with the Yxy color 65.4964, 0.3159, 0.5131.

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

65.4964, 0.3159, 0.5131

Protanopia

64.3069, 0.4144, 0.4533

Deuteranopia

64.3652, 0.4189, 0.4119



Tritanopia

64.9234, 0.2567, 0.3073

Trichromacy



Original Color

65.4964, 0.3159, 0.5131



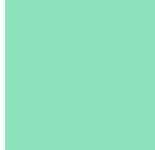
Protanomaly

63.2966, 0.3736, 0.4775



Deuteranomaly

62.3626, 0.3766, 0.4485



Tritanomaly

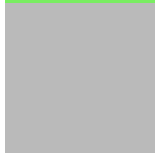
64.0580, 0.2797, 0.3797

Monochromacy



Original Color

65.4964, 0.3159, 0.5131



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.6771, 0.3155, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4964, 0.3159, 0.5131 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(121, 237, 97)` looks like.

```
.text, #text, p{  
    color:rgb(121, 237, 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(121, 237, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 237, 97) }
```

Border

The CSS property to change the border of an element to Yxy 65.4964, 0.3159, 0.5131 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(121, 237, 97) }
```

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

```
.border{ border-color:rgb(121, 237, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 237, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 237, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 237, 97);  
box-shadow:4px 4px 4px 4px rgb(121, 237,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4964, 0.3159, 0.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 237, 97) }
```

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

```
.background{ background-color: rgb(121,  
237, 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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