

Converting Colors

Yxy(63.9810, 0.3336, 0.5164)

Have a look what the booklet for
Yxy(63.9810, 0.3336, 0.5164)
contains.

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Color

Yxy(63.9288, 0.3335, 0.5166)

Conversions

Conversions Part 1

Format	Color
Hex	8CE854
RGB	140, 232, 84
RGB Percent	55%, 91%, 33%
CMY	0.4510, 0.0902, 0.6706
CMYK	0.40, 0.00, 0.64, 0.09
HSL	97°, 76%, 62%
HSV	97°, 64%, 91%
XYZ	41.2703, 63.9288, 18.5500
YIQ	187.6200, -7.3240, -65.5320

Conversions

Conversions Part 2

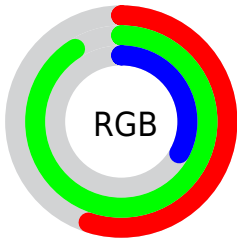
Format	Color
RYB	84, 232, 176
Decimal	9234516
CIELab	83.93, -52.11, 61.42
CIElCh	84, 80.544, 130.311
Yxy	63.9288, 0.3335, 0.5166
Android (android.graphics.Color)	4287424596 (0xFF8CE854)
YUV	187.6200, -51.0847, -41.7627
Hunter-Lab	79.9555, -47.7864, 42.2133

Details

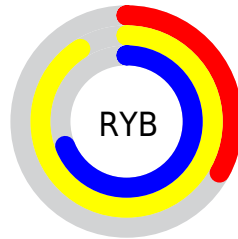
The Yxy color **63.9288, 0.3335, 0.5166** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **21.3983, 0.2628, 0.1578**, and the grayscale version is **50.3604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3898, 0.3413, 0.4575**, and **32.8579, 0.3286, 0.5663** is the 20% darker color. If you saturate the color by 10%, you get **62.4544, 0.3321, 0.5425**, and if you desaturate by 10%, it is **65.6933, 0.3331, 0.4870**.

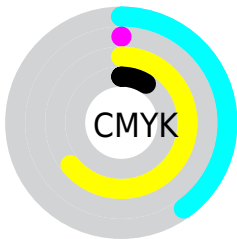
Distribution



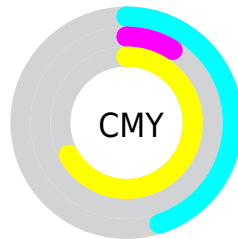
- Red (55%)
- Green (91%)
- Blue (33%)



- Red (33%)
- Yellow (91%)
- Blue (69%)



- Cyan (40%)
- Magenta (0%)
- Yellow (64%)
- Black (9%)





- Cyan (45%)
- Magenta (9%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9288, 0.3335, 0.5166 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 63.9288, 0.3335, 0.5166 by changing the saturation by 10% instead.


 63.9288, 0.3335,
0.5166


 63.9288, 0.3335,
0.5166


438.9325, 0.3300,
0.4230

 46.5930, 0.3321,
0.5387


 110.5084, 0.3340,
0.4833

 32.7140, 0.3290,
0.5661


 140.5210, 0.3336,
0.4705

 21.9075, 0.3228,
0.6001


 175.5280, 0.3331,
0.4596

 13.7889, 0.3107,
0.6426

 215.9137, 0.3325,
0.4502

 7.9740, 0.2927,
0.7073

262.0627, 0.3319,
0.4421

 4.0783, 0.2437,
0.7563

314.3592, 0.3313,

 1.7175, 0.1013,

0.4349

0.8987

373.1876, 0.3307,
0.4286

0.4349, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.9288, 0.3335,
0.5166

63.9288, 0.3335,
0.5166

62.4544, 0.3321,
0.5425

65.6933, 0.3331,
0.4870

61.2431, 0.3290,
0.5631

67.7564, 0.3311,
0.4555


60.2757, 0.3242,
0.5774


70.1360, 0.3279,
0.4239


59.7805, 0.3208,
0.5835

72.8462, 0.3238,
0.3933

 75.9002, 0.3193,
0.3646

 79.3104, 0.3145,
0.3383

 83.0885, 0.3097,
0.3146

 86.1971, 0.3138,
0.3068

Harmonies

Analogous

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



63.9288, 0.4228, 0.4927



63.9288, 0.3335, 0.5166



63.9288, 0.2436, 0.4581

Triad

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



63.9288, 0.3335, 0.5166



63.9288, 0.1553, 0.1986



63.9288, 0.4619, 0.2928

Complementary

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



63.9288, 0.3335, 0.5166



21.3983, 0.2628, 0.1578

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.



63.9288, 0.3651, 0.2361



63.9288, 0.3335, 0.5166



63.9288, 0.1930, 0.1839

Square

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



63.9288, 0.3335, 0.5166



63.9288, 0.1496, 0.2497



63.9288, 0.2648, 0.1978



63.9288, 0.5086, 0.3588

Rectangle

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



63.9288, 0.3335, 0.5166



63.9288, 0.1959, 0.3834



63.9288, 0.2648, 0.1978



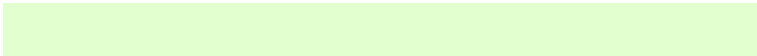
63.9288, 0.4331, 0.2725

Sweetspot

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



63.9316, 0.3335, 0.5166



91.9911, 0.3218, 0.3796



48.5618, 0.4412, 0.4262



19.4616, 0.3230, 0.3879



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.



63.9316, 0.3335, 0.5166



76.8129, 0.3312, 0.5506



60.5465, 0.2964, 0.5146



16.3534, 0.3173, 0.3529



33.2521, 0.3219, 0.5826



2.5091, 0.3333, 0.5735

Inverse Universe

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



21.3983, 0.2628, 0.1578



20.1021, 0.2487, 0.1296



28.3898, 0.3378, 0.1970



14.3286, 0.3078, 0.3054



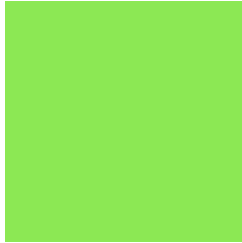
6.6123, 0.2282, 0.1031



0.5414, 0.2417, 0.1105

Previews

White Background



This preview shows how the Yxy color 63.9288, 0.3335, 0.5166 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 63.9288, 0.3335, 0.5166 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 63.9288, 0.3335, 0.5166

Background



This preview shows how black text looks on a background with the Yxy color 63.9288, 0.3335, 0.5166.



This preview shows how white text looks on a background with the Yxy color 63.9288, 0.3335, 0.5166.

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

63.9288, 0.3335, 0.5166

Protanopia

62.8034, 0.4201, 0.4614

Deuteranopia

63.1268, 0.4295, 0.4222



Tritanopia

63.5164, 0.2668, 0.3075

Trichromacy



Original Color

63.9288, 0.3335, 0.5166



Protanomaly

62.3470, 0.3857, 0.4827



Deuteranomaly

61.5977, 0.3921, 0.4566



Tritanomaly

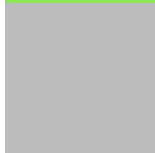
62.5064, 0.2935, 0.3832

Monochromacy



Original Color

63.9288, 0.3335, 0.5166



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.0457, 0.3253, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9288, 0.3335, 0.5166 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(140, 232, 84)` looks like.

```
.text, #text, p{  
    color:rgb(140, 232, 84)  
}
```

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(140, 232, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 232, 84) }
```

Border

The CSS property to change the border of an element to Yxy 63.9288, 0.3335, 0.5166 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(140, 232, 84) }
```

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

```
.border{ border-color:rgb(140, 232, 84) }
```

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

Here you see how a box with a 4 pixel rgb(140, 232, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 232, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 232, 84);  
box-shadow:4px 4px 4px 4px rgb(140, 232,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9288, 0.3335, 0.5166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 232, 84) }
```

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

```
.background{ background-color: rgb(140,  
232, 84) }
```

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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