

Converting Colors

Yxy(67.0536, 0.3279, 0.5183)

Have a look what the booklet for
Yxy(67.0536, 0.3279, 0.5183)
contains.

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Color

Yxy(67.0879, 0.3281, 0.5180)

Conversions

Conversions Part 1

Format	Color
Hex	88EE58
RGB	136, 238, 88
RGB Percent	53%, 93%, 35%
CMY	0.4665, 0.0667, 0.6551
CMYK	0.43, 0.00, 0.63, 0.07
HSL	101°, 82%, 64%
HSV	101°, 63%, 93%
XYZ	42.4933, 67.0879, 19.9321
YIQ	190.4020, -12.6420, -68.2740

Conversions

Conversions Part 2

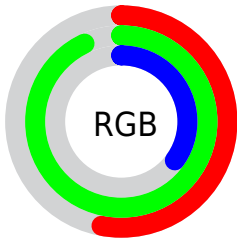
Format	Color
R_{YB}	88, 238, 190
Decimal	8973912
CIE _{Lab}	85.55, -55.38, 61.52
CIE _{LCh}	86, 82.780, 131.995
Yxy	67.0879, 0.3281, 0.5180
Android (android.graphics.Color)	4287163992 (0xFF88EE58)
YUV	190.4020, -50.4842, -47.7106
Hunter-Lab	81.9072, -50.7321, 42.9068

Details

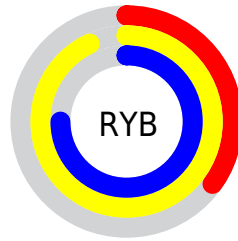
The Yxy color **67.0879, 0.3281, 0.5180** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **24.0815, 0.2718, 0.1631**, and the grayscale version is **52.0440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1053, 0.3374, 0.4541**, and **34.6681, 0.3225, 0.5671** is the 20% darker color. If you saturate the color by 10%, you get **65.5048, 0.3264, 0.5450**, and if you desaturate by 10%, it is **69.0097, 0.3282, 0.4873**.

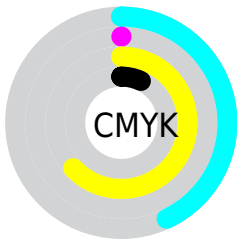
Distribution



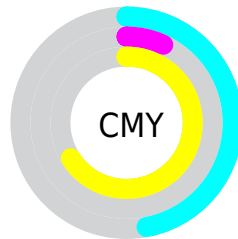
- Red (53%)
- Green (93%)
- Blue (35%)



- Red (35%)
- Yellow (93%)
- Blue (75%)



- Cyan (43%)
- Magenta (0%)
- Yellow (63%)
- Black (7%)




- Cyan (47%)
- Magenta (7%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0879, 0.3281, 0.5180 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 67.0879, 0.3281, 0.5180 by changing the saturation by 10% instead.

 67.0879, 0.3281,
0.5180


 67.0879, 0.3281,
0.5180


450.2576, 0.3272,
0.4240


 49.1561, 0.3262,
0.5402

 115.0464, 0.3294,
0.4846


 34.7433, 0.3225,
0.5675


 145.8418, 0.3294,
0.4718

 23.4652, 0.3158,
0.6017


 181.6938, 0.3292,
0.4608

 14.9374, 0.3034,
0.6445

 222.9869, 0.3289,
0.4514

 8.7755, 0.2868,
0.7132

270.1054, 0.3285,
0.4432

 4.5950, 0.2385,
0.7615

323.4338, 0.3281,

 2.0117, 0.1237,

0.4360

0.8763

383.3564, 0.3277,
0.4297

0.6142, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.0879, 0.3281,
0.5180

67.0879, 0.3281,
0.5180

65.5048, 0.3264,
0.5450

69.0097, 0.3282,
0.4873

64.2297, 0.3232,
0.5665

71.2816, 0.3269,
0.4549


63.2397, 0.3185,
0.5813


73.9244, 0.3245,
0.4226


62.6967, 0.3150,
0.5881

76.9550, 0.3214,
0.3916

 80.3892, 0.3178,
0.3627

 84.2416, 0.3139,
0.3365

 88.5263, 0.3100,
0.3129

 89.6288, 0.3135,
0.3127

Harmonies

Analogous

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



67.0879, 0.4189, 0.4971



67.0879, 0.3281, 0.5180



67.0879, 0.2381, 0.4541

Triad

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



67.0879, 0.3281, 0.5180



67.0879, 0.1552, 0.1957



67.0879, 0.4679, 0.2959

Complementary

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



67.0879, 0.3281, 0.5180



24.0815, 0.2718, 0.1631

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.



67.0879, 0.3716, 0.2381



67.0879, 0.3281, 0.5180



67.0879, 0.1950, 0.1827

Square

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



67.0879, 0.3281, 0.5180



67.0879, 0.1476, 0.2447



67.0879, 0.2693, 0.1982



67.0879, 0.5113, 0.3626

Rectangle

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



67.0879, 0.3281, 0.5180



67.0879, 0.1913, 0.3773



67.0879, 0.2693, 0.1982



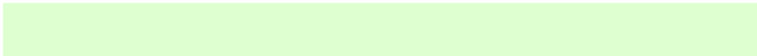
67.0879, 0.4397, 0.2752

Sweetspot

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



67.0908, 0.3281, 0.5180



91.5449, 0.3200, 0.3798



54.8413, 0.4339, 0.4327



19.3548, 0.3210, 0.3883



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.



67.0908, 0.3281, 0.5180



76.0931, 0.3255, 0.5527



64.4129, 0.2934, 0.5030



17.9022, 0.3164, 0.3531



35.0400, 0.3160, 0.5873



2.9665, 0.3259, 0.5795

Inverse Universe

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



24.0815, 0.2718, 0.1631



21.9016, 0.2602, 0.1367



29.9534, 0.3458, 0.2041



15.7627, 0.3087, 0.3054



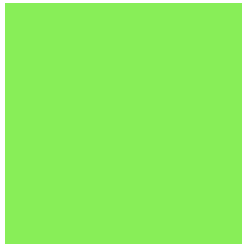
7.7857, 0.2414, 0.1104



0.7009, 0.2521, 0.1162

Previews

White Background



This preview shows how the Yxy color 67.0879, 0.3281, 0.5180 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 67.0879, 0.3281, 0.5180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

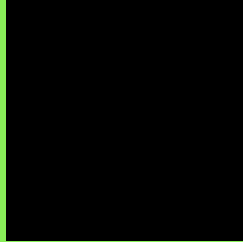
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

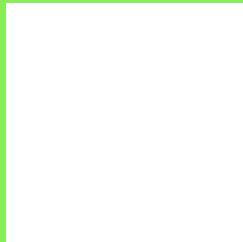
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0879, 0.3281, 0.5180

Background



This preview shows how black text looks on a background with the Yxy color 67.0879, 0.3281, 0.5180.

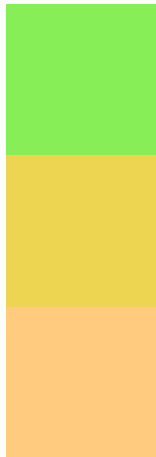


This preview shows how white text looks on a background with the Yxy color 67.0879, 0.3281, 0.5180.

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

67.0879, 0.3281, 0.5180

Protanopia

66.1871, 0.4187, 0.4603

Deuteranopia

65.9780, 0.4117, 0.4074



Tritanopia

66.8076, 0.2633, 0.3078

Trichromacy



Original Color

67.0879, 0.3281, 0.5180



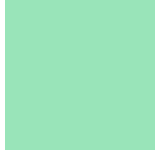
Protanomaly

65.1620, 0.3819, 0.4829



Deuteranomaly

64.3010, 0.3794, 0.4461



Tritanomaly

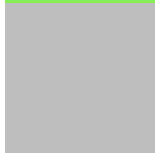
65.7619, 0.2896, 0.3837

Monochromacy



Original Color

67.0879, 0.3281, 0.5180



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.4716, 0.3221, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0879, 0.3281, 0.5180 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(136, 238, 88)` looks like.

```
.text, #text, p{  
    color:rgb(136, 238, 88)  
}
```

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(136, 238, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 238, 88) }
```

Border

The CSS property to change the border of an element to Yxy 67.0879, 0.3281, 0.5180 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(136, 238, 88) }
```

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

```
.border{ border-color:rgb(136, 238, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 238, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 238, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 238, 88);  
box-shadow:4px 4px 4px 4px rgb(136, 238,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0879, 0.3281, 0.5180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 238, 88) }
```

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

```
.background{ background-color: rgb(136,  
238, 88) }
```

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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