

Converting Colors

Yxy(67.5902, 0.3150, 0.4829)

Have a look what the booklet for
Yxy(67.5902, 0.3150, 0.4829)
contains.

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Color

Yxy(67.7993, 0.3153, 0.4835)

Conversions

Conversions Part 1

Format	Color
Hex	89EE77
RGB	137, 238, 119
RGB Percent	54%, 93%, 47%
CMY	0.4630, 0.0666, 0.5333
CMYK	0.42, 0.00, 0.50, 0.07
HSL	111°, 78%, 70%
HSV	111°, 50%, 93%
XYZ	44.2133, 67.7993, 28.2135
YIQ	194.2350, -21.9970, -58.4210

Conversions

Conversions Part 2

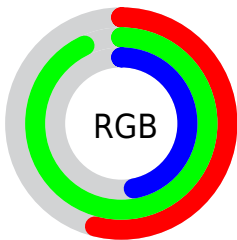
Format	Color
RYB	119, 238, 220
Decimal	9039479
CIELab	85.91, -51.84, 48.19
CIElCh	86, 70.779, 137.085
Yxy	67.7993, 0.3153, 0.4835
Android (android.graphics.Color)	4287229559 (0xFF89EE77)
YUV	194.2350, -37.0909, -50.1951
Hunter-Lab	82.3403, -48.2486, 37.3228

Details

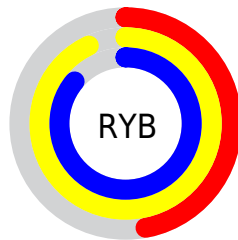
The Yxy color **67.7993, 0.3153, 0.4835** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **34.6026, 0.3016, 0.2023**, and the grayscale version is **54.3221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1392, 0.3216, 0.4209**, and **35.1153, 0.3105, 0.5251** is the 20% darker color. If you saturate the color by 10%, you get **65.7495, 0.3142, 0.5170**, and if you desaturate by 10%, it is **70.3181, 0.3157, 0.4489**.

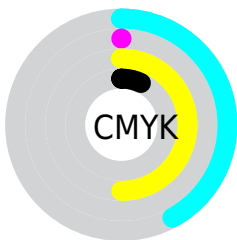
Distribution



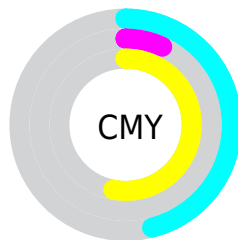
- Red (54%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)




- Cyan (46%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7993, 0.3153, 0.4835 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 67.7993, 0.3153, 0.4835 by changing the saturation by 10% instead.


 67.7993, 0.3153,
0.4835

 67.7993, 0.3153,
0.4835


452.7846, 0.3180,
0.4062

 49.7345, 0.3134,
0.5023


 116.0650, 0.3172,
0.4557

 35.2025, 0.3104,
0.5259


 147.0346, 0.3176,
0.4452

 23.8189, 0.3054,
0.5563


 183.0747, 0.3179,
0.4362

 15.1993, 0.2965,
0.5964

224.5695, 0.3180,
0.4285

 8.9594, 0.2803,
0.6502

271.9035, 0.3181,
0.4218

 4.7147, 0.2563,
0.7437

325.4611, 0.3181,

 2.0809, 0.1640,

0.4160

0.8360

385.6267, 0.3180,
0.4108

0.6538, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.7993, 0.3153,
0.4835

67.7993, 0.3153,
0.4835

65.7495, 0.3142,
0.5170

70.3181, 0.3157,
0.4489

64.1313, 0.3123,
0.5471

73.3236, 0.3155,
0.4151


62.9153, 0.3097,
0.5713

76.8430, 0.3149,
0.3834

62.0648, 0.3067,
0.5879

80.8989, 0.3139,
0.3547

 61.5294, 0.3037,
0.5970

 85.5127, 0.3127,
0.3290

 61.5292, 0.3037,
0.5970

 89.6371, 0.3135,
0.3127

Harmonies

Analogous

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



67.7993, 0.3960, 0.4819



67.7993, 0.3153, 0.4835



67.7993, 0.2382, 0.4185

Triad

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



67.7993, 0.3153, 0.4835



67.7993, 0.1777, 0.2087



67.7993, 0.4555, 0.3118

Complementary

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



67.7993, 0.3153, 0.4835



34.6026, 0.3016, 0.2023

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.



67.7993, 0.3792, 0.2576



67.7993, 0.3153, 0.4835



67.7993, 0.2190, 0.2006

Square

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



67.7993, 0.3153, 0.4835



67.7993, 0.1662, 0.2478



67.7993, 0.2899, 0.2183



67.7993, 0.4846, 0.3731

Rectangle

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



67.7993, 0.3153, 0.4835



67.7993, 0.1996, 0.3542



67.7993, 0.2899, 0.2183



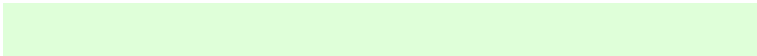
67.7993, 0.4340, 0.2926

Sweetspot

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



67.8022, 0.3153, 0.4835



92.1268, 0.3144, 0.3688



69.7487, 0.3957, 0.4332



19.5074, 0.3146, 0.3750



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.



67.8022, 0.3153, 0.4835



76.8419, 0.3141, 0.5178



67.5725, 0.2859, 0.4350



17.7706, 0.3138, 0.3533



34.3569, 0.3043, 0.5966



2.8926, 0.3115, 0.5909

Inverse Universe

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



34.6026, 0.3016, 0.2023



33.8727, 0.2980, 0.1800



35.4706, 0.3585, 0.2441



15.9038, 0.3114, 0.3056



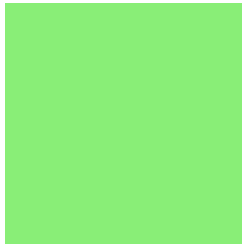
10.5077, 0.2831, 0.1333



0.9065, 0.2884, 0.1362

Previews

White Background



This preview shows how the Yxy color 67.7993, 0.3153, 0.4835 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 67.7993, 0.3153, 0.4835 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

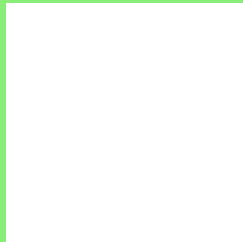
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7993, 0.3153, 0.4835

Background



This preview shows how black text looks on a background with the Yxy color 67.7993, 0.3153, 0.4835.



This preview shows how white text looks on a background with the Yxy color 67.7993, 0.3153, 0.4835.

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

67.7993, 0.3153, 0.4835

Protanopia

67.0737, 0.4012, 0.4375

Deuteranopia

66.7867, 0.4025, 0.3969



Tritanopia

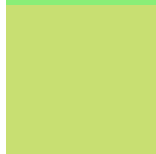
67.1957, 0.2619, 0.3078

Trichromacy



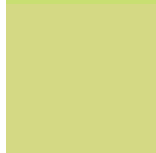
Original Color

67.7993, 0.3153, 0.4835



Protanomaly

66.2696, 0.3661, 0.4557



Deuteranomaly

65.2887, 0.3671, 0.4270



Tritanomaly

66.7452, 0.2823, 0.3692

Monochromacy



Original Color

67.7993, 0.3153, 0.4835



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.7674, 0.3145, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7993, 0.3153, 0.4835 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(137, 238, 119)` looks like.

```
.text, #text, p{  
    color:rgb(137, 238, 119)  
}
```

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(137, 238, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 238, 119) }
```

Border

The CSS property to change the border of an element to Yxy 67.7993, 0.3153, 0.4835 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(137, 238, 119) }
```

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

```
.border{ border-color:rgb(137, 238, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 238, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 238, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 238, 119);  
box-shadow:4px 4px 4px 4px rgb(137, 238,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7993, 0.3153, 0.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 238, 119) }
```

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

```
.background{ background-color: rgb(137,  
238, 119) }
```

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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