

Converting Colors

$Yxy(66.8082, 0.3276, 0.5223)$

Have a look what the booklet for
Yxy(66.8082, 0.3276, 0.5223)
contains.

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Color

Yxy(66.7915, 0.3274, 0.5220)

Conversions

Conversions Part 1

Format	Color
Hex	85EE55
RGB	133, 238, 85
RGB Percent	52%, 93%, 33%
CMY	0.4782, 0.0667, 0.6668
CMYK	0.44, 0.00, 0.64, 0.07
HSL	101°, 82%, 63%
HSV	101°, 64%, 93%
XYZ	41.8918, 66.7915, 19.2697
YIQ	189.1630, -13.4670, -69.8430

Conversions

Conversions Part 2

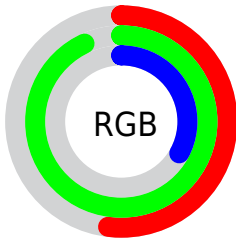
Format	Color
RYB	85, 238, 190
Decimal	8777301
CIELab	85.40, -56.55, 62.54
CIELCh	85, 84.315, 132.123
Yxy	66.7915, 0.3274, 0.5220
Android (android.graphics.Color)	4286967381 (0xFF85EE55)
YUV	189.1630, -51.3524, -49.2550
Hunter-Lab	81.7261, -51.5236, 43.2286

Details

The Yxy color **66.7915, 0.3274, 0.5220** 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 **23.5997, 0.2717, 0.1607**, and the grayscale version is **51.2986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6199, 0.3369, 0.4581**, and **34.4834, 0.3212, 0.5726** is the 20% darker color. If you saturate the color by 10%, you get **65.2503, 0.3255, 0.5485**, and if you desaturate by 10%, it is **68.6720, 0.3277, 0.4916**.

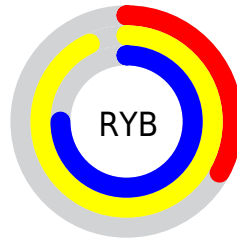
Distribution



Red (52%)

Green (93%)

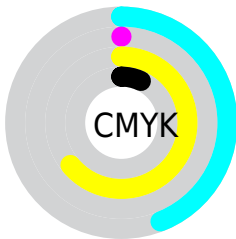
Blue (33%)



Red (33%)

Yellow (93%)

Blue (75%)

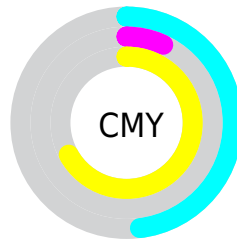


Cyan (44%)

Magenta (0%)

Yellow (64%)

Black (7%)



Cyan (48%)


Magenta (7%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7915, 0.3274, 0.5220 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 66.7915, 0.3274, 0.5220 by changing the saturation by 10% instead.


 66.7915, 0.3274,
0.5220

 66.7915, 0.3274,
0.5220


449.2023, 0.3272,
0.4259


 48.9152, 0.3252,
0.5447


 114.6216, 0.3290,
0.4878

 34.5522, 0.3212,
0.5726


 145.3442, 0.3291,
0.4747

 23.3182, 0.3139,
0.6073


 181.1177, 0.3290,
0.4636

 14.8286, 0.3007,
0.6507

 222.3264, 0.3287,
0.4539

 8.6992, 0.2819,
0.7181

269.3549, 0.3284,
0.4456

 4.5455, 0.2325,
0.7675


322.5874, 0.3280,

 1.9831, 0.1079,


0.4382


0.8921


382.4084, 0.3276,
0.4317


 0.5977, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.7915, 0.3274,
0.5220

 66.7915, 0.3274,
0.5220


 65.2503, 0.3255,
0.5485


 68.6720, 0.3277,
0.4916


 64.0169, 0.3220,
0.5692


 70.9037, 0.3267,
0.4592


 63.0677, 0.3173,
0.5832

 73.5079, 0.3245,
0.4267


 62.6356, 0.3144,
0.5886

 76.5018, 0.3215,
0.3954

 79.9014, 0.3181,
0.3662

 83.7219, 0.3144,
0.3396

 87.9776, 0.3105,
0.3157

 89.6283, 0.3135,
0.3127

Harmonies

Analogous

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



66.7915, 0.4197, 0.4999



66.7915, 0.3274, 0.5220



66.7915, 0.2361, 0.4565

Triad

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



66.7915, 0.3274, 0.5220



66.7915, 0.1530, 0.1933



66.7915, 0.4713, 0.2953

Complementary

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



66.7915, 0.3274, 0.5220



23.5997, 0.2717, 0.1607

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.



66.7915, 0.3731, 0.2368



66.7915, 0.3274, 0.5220



66.7915, 0.1933, 0.1805

Square

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



66.7915, 0.3274, 0.5220



66.7915, 0.1451, 0.2426



66.7915, 0.2688, 0.1963



66.7915, 0.5150, 0.3627

Rectangle

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



66.7915, 0.3274, 0.5220



66.7915, 0.1888, 0.3776



66.7915, 0.2688, 0.1963



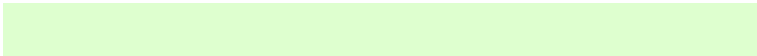
66.7915, 0.4426, 0.2744

Sweetspot

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



66.7944, 0.3274, 0.5220



91.4970, 0.3198, 0.3799



55.4590, 0.4346, 0.4365



19.3434, 0.3208, 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.



66.7944, 0.3274, 0.5220



75.8503, 0.3246, 0.5554



64.2706, 0.2922, 0.5035



17.8973, 0.3163, 0.3531



35.0054, 0.3154, 0.5878



2.9631, 0.3252, 0.5800

Inverse Universe

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



23.5997, 0.2717, 0.1607



21.6890, 0.2605, 0.1356



29.3183, 0.3496, 0.2045



15.7679, 0.3088, 0.3054



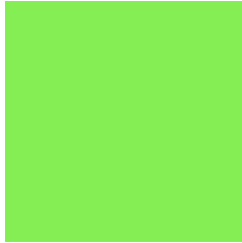
7.8725, 0.2429, 0.1112



0.7076, 0.2534, 0.1169

Previews

White Background



This preview shows how the Yxy color 66.7915, 0.3274, 0.5220 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 66.7915, 0.3274, 0.5220 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 66.7915, 0.3274, 0.5220

Background



This preview shows how black text looks on a background with the Yxy color 66.7915, 0.3274, 0.5220.

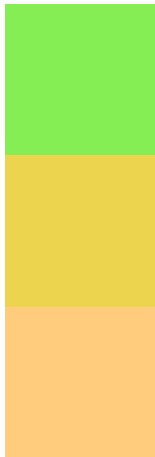


This preview shows how white text looks on a background with the Yxy color 66.7915, 0.3274, 0.5220.

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

66.7915, 0.3274, 0.5220

Protanopia

65.6416, 0.4208, 0.4616

Deuteranopia

65.4271, 0.4143, 0.4093



Tritanopia

66.4972, 0.2617, 0.3077

Trichromacy



Original Color

66.7915, 0.3274, 0.5220



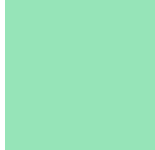
Protanomaly

64.4491, 0.3830, 0.4850



Deuteranomaly

64.0864, 0.3804, 0.4495



Tritanomaly

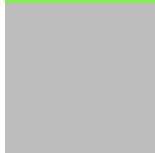
65.4315, 0.2884, 0.3853

Monochromacy



Original Color

66.7915, 0.3274, 0.5220



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.2950, 0.3227, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7915, 0.3274, 0.5220 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(133, 238, 85)` looks like.

```
.text, #text, p{  
    color:rgb(133, 238, 85)  
}
```

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(133, 238, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 238, 85) }
```

Border

The CSS property to change the border of an element to Yxy 66.7915, 0.3274, 0.5220 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(133, 238, 85) }
```

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

```
.border{ border-color:rgb(133, 238, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 238, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 238, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 238, 85);  
box-shadow:4px 4px 4px 4px rgb(133, 238,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7915, 0.3274, 0.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 238, 85) }
```

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

```
.background{ background-color: rgb(133,  
238, 85) }
```

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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