

Converting Colors

$Yxy(66.3288, 0.3416, 0.5215)$

Have a look what the booklet for
Yxy(66.3288, 0.3416, 0.5215)
contains.

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Color

Yxy(66.3280, 0.3416, 0.5219)

Conversions

Conversions Part 1

Format	Color
Hex	95EB4C
RGB	149, 235, 76
RGB Percent	58%, 92%, 30%
CMY	0.4155, 0.0784, 0.7020
CMYK	0.37, 0.00, 0.68, 0.08
HSL	92°, 80%, 61%
HSV	92°, 68%, 92%
XYZ	43.4138, 66.3280, 17.3477
YIQ	191.1600, -0.2170, -67.6810

Conversions

Conversions Part 2

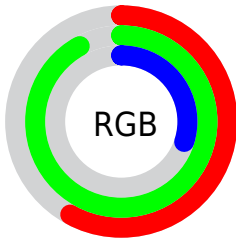
Format	Color
RYB	76, 235, 162
Decimal	9825100
CIELab	85.16, -50.99, 66.00
CIELCh	85, 83.397, 127.688
Yxy	66.3280, 0.3416, 0.5219
Android (android.graphics.Color)	4288015180 (0xFF95EB4C)
YUV	191.1600, -56.7739, -36.9743
Hunter-Lab	81.4420, -47.3717, 44.3802

Details

The Yxy color **66.3280, 0.3416, 0.5219** 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 **18.8381, 0.2463, 0.1429**, and the grayscale version is **52.5409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5958, 0.3515, 0.4616**, and **34.4643, 0.3379, 0.5699** is the 20% darker color. If you saturate the color by 10%, you get **64.9308, 0.3402, 0.5448**, and if you desaturate by 10%, it is **67.9805, 0.3409, 0.4948**.

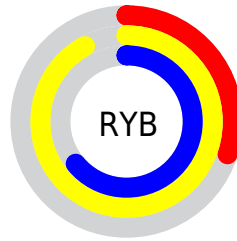
Distribution



Red (58%)

Green (92%)

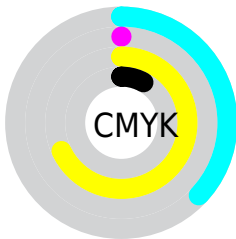
Blue (30%)



Red (30%)

Yellow (92%)

Blue (64%)

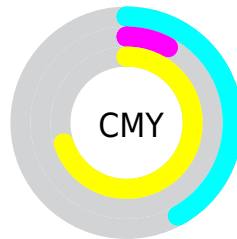


Cyan (37%)

Magenta (0%)

Yellow (68%)

Black (8%)



Cyan (42%)


Magenta (8%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3280, 0.3416, 0.5219 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 66.3280, 0.3416, 0.5219 by changing the saturation by 10% instead.


 66.3280, 0.3416,
0.5219


 66.3280, 0.3416,
0.5219


447.5490, 0.3351,
0.4270


 48.5387, 0.3406,
0.5438


 113.9570, 0.3412,
0.4885

 34.2537, 0.3380,
0.5704


 144.5654, 0.3405,
0.4756


 23.0886, 0.3322,
0.6030

 180.2158, 0.3396,
0.4646

 14.6589, 0.3207,
0.6429

 221.2924, 0.3387,
0.4550

 8.5804, 0.3016,
0.6984

 268.1796, 0.3377,
0.4467

 4.4685, 0.2560,
0.7440

321.2618, 0.3368,

 1.9389, 0.1532,

0.4393

0.8468

380.9235, 0.3360,
0.4328

■ 0.5716, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.3280, 0.3416,
0.5219

■ 66.3280, 0.3416,
0.5219

■ 64.9308, 0.3402,
0.5448

■ 67.9805, 0.3409,
0.4948

■ 63.7625, 0.3368,
0.5622

■ 69.8954, 0.3383,
0.4651

■ 62.8030, 0.3315,
0.5738


■ 72.0896, 0.3343,
0.4344

■ 62.6021, 0.3302,
0.5760


■ 74.5761, 0.3292,
0.4041

 77.3667, 0.3234,
0.3752

 80.4728, 0.3174,
0.3482

 83.9049, 0.3113,
0.3234

 87.0812, 0.3108,
0.3096

 87.8948, 0.3136,
0.3097

Harmonies

Analogous

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



66.3280, 0.4315, 0.4907



66.3280, 0.3416, 0.5219



66.3280, 0.2492, 0.4702

Triad

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



66.3280, 0.3416, 0.5219



66.3280, 0.1509, 0.1990



66.3280, 0.4580, 0.2863

Complementary

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



66.3280, 0.3416, 0.5219



18.8381, 0.2463, 0.1429

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.



66.3280, 0.3566, 0.2301



66.3280, 0.3416, 0.5219



66.3280, 0.1860, 0.1814

Square

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



66.3280, 0.3416, 0.5219



66.3280, 0.1478, 0.2544



66.3280, 0.2559, 0.1932



66.3280, 0.5114, 0.3525

Rectangle

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



66.3280, 0.3416, 0.5219



66.3280, 0.1988, 0.3952



66.3280, 0.2559, 0.1932



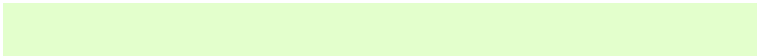
66.3280, 0.4273, 0.2660

Sweetspot

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



66.3309, 0.3416, 0.5219



92.2814, 0.3249, 0.3820



43.5996, 0.4616, 0.4169



19.5464, 0.3265, 0.3902



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.



66.3309, 0.3416, 0.5219



77.6093, 0.3392, 0.5519



61.5489, 0.3008, 0.5416



17.2012, 0.3185, 0.3529



34.9160, 0.3314, 0.5751



2.7984, 0.3421, 0.5666

Inverse Universe

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



18.8381, 0.2463, 0.1429



16.8534, 0.2295, 0.1150



28.5242, 0.3252, 0.1816



14.9499, 0.3065, 0.3053



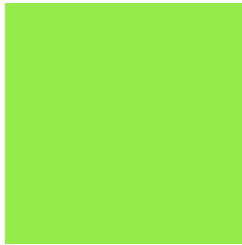
5.9268, 0.2106, 0.0934



0.5225, 0.2250, 0.1013

Previews

White Background



This preview shows how the Yxy color 66.3280, 0.3416, 0.5219 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 66.3280, 0.3416, 0.5219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

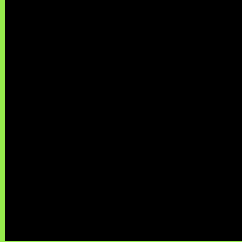
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

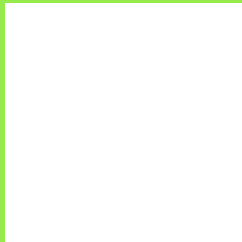
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3280, 0.3416, 0.5219

Background



This preview shows how black text looks on a background with the Yxy color 66.3280, 0.3416, 0.5219.



This preview shows how white text looks on a background with the Yxy color 66.3280, 0.3416, 0.5219.

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

66.3280, 0.3416, 0.5219

Protanopia

65.5337, 0.4243, 0.4667

Deuteranopia

65.3279, 0.4171, 0.4129



Tritanopia

66.0715, 0.2708, 0.3091

Trichromacy



Original Color

66.3280, 0.3416, 0.5219



Protanomaly

64.6334, 0.3922, 0.4880



Deuteranomaly

64.1993, 0.3884, 0.4524



Tritanomaly

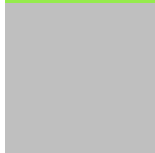
64.9573, 0.3006, 0.3884

Monochromacy



Original Color

66.3280, 0.3416, 0.5219



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

56.0257, 0.3295, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3280, 0.3416, 0.5219 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(149, 235, 76)` looks like.

```
.text, #text, p{  
    color:rgb(149, 235, 76)  
}
```

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(149, 235, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 235, 76) }
```

Border

The CSS property to change the border of an element to Yxy 66.3280, 0.3416, 0.5219 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(149, 235, 76) }
```

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

```
.border{ border-color:rgb(149, 235, 76) }
```

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

Here you see how a box with a 4 pixel rgb(149, 235, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 235, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 235, 76);  
box-shadow:4px 4px 4px 4px rgb(149, 235,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3280, 0.3416, 0.5219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 235, 76) }
```

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

```
.background{ background-color: rgb(149,  
235, 76) }
```

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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