

Converting Colors

Yxy(76.6845, 0.3255, 0.5192)

Have a look what the booklet for
Yxy(76.6845, 0.3255, 0.5192)
contains.

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Color

Yxy(76.7214, 0.3258, 0.5194)

Conversions

Conversions Part 1

Format	Color
Hex	8DFD5E
RGB	141, 253, 94
RGB Percent	55%, 99%, 37%
CMY	0.4473, 0.0078, 0.6313
CMYK	0.44, 0.00, 0.63, 0.01
HSL	102°, 98%, 68%
HSV	102°, 63%, 99%
XYZ	48.1244, 76.7214, 22.8658
YIQ	201.3860, -15.7130, -73.1930

Conversions

Conversions Part 2

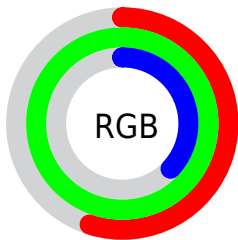
Format	Color
RYB	94, 253, 206
Decimal	9305438
CIELab	90.19, -59.21, 64.21
CIELCh	90, 87.347, 132.681
Yxy	76.7214, 0.3258, 0.5194
Android (android.graphics.Color)	4287495518 (0xFF8DFD5E)
YUV	201.3860, -52.9413, -52.9585
Hunter-Lab	87.5908, -55.2117, 45.8357

Details

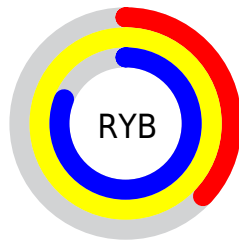
The Yxy color **76.7214, 0.3258, 0.5194** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **28.2353, 0.2755, 0.1648**, and the grayscale version is **58.9990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1395, 0.3377, 0.4451**, and **40.8512, 0.3204, 0.5662** is the 20% darker color. If you saturate the color by 10%, you get **74.9036, 0.3240, 0.5468**, and if you desaturate by 10%, it is **78.9462, 0.3261, 0.4882**.

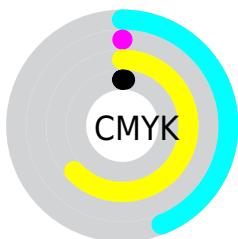
Distribution



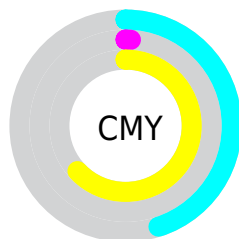
- Red (55%)
- Green (99%)
- Blue (37%)



- Red (37%)
- Yellow (99%)
- Blue (81%)



- Cyan (44%)
- Magenta (0%)
- Yellow (63%)
- Black (1%)




- Cyan (45%)
- Magenta (1%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7214, 0.3258, 0.5194 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 76.7214, 0.3258, 0.5194 by changing the saturation by 10% instead.

 76.7214, 0.3258,
0.5194

 76.7214, 0.3258,
0.5194


483.8136, 0.3262,
0.4267


 57.0242, 0.3237,
0.5408


 128.7461, 0.3275,
0.4869


 41.0247, 0.3201,
0.5669

 161.8425, 0.3277,
0.4743

 28.3384, 0.3137,
0.5992


 200.1741, 0.3276,
0.4635

 18.5809, 0.3024,
0.6393

 244.1252, 0.3275,
0.4541

 11.3678, 0.2844,
0.6939

294.0804, 0.3272,
0.4460

 6.3148, 0.2479,
0.7521


350.4239, 0.3269,


 3.0374, 0.1828,

0.4388


0.8172


413.5402, 0.3266,
0.4324


 1.1513, 0.0000,
1.0000


 0.0214, 0.0000,
1.0000


 76.7214, 0.3258,
0.5194


 76.7214, 0.3258,
0.5194


 74.9036, 0.3240,
0.5468

 78.9462, 0.3261,
0.4882


 73.4558, 0.3207,
0.5685

 81.5926, 0.3252,
0.4554


 72.3499, 0.3161,
0.5833

 84.6861, 0.3231,
0.4227

 71.7408, 0.3126,
0.5900

 88.2472, 0.3204,
0.3914

 92.2951, 0.3172,
0.3623

 96.8480, 0.3137,
0.3360

 98.7378, 0.3128,
0.3271

Harmonies

Analogous

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



76.7214, 0.4175, 0.4994



76.7214, 0.3258, 0.5194



76.7214, 0.2355, 0.4530

Triad

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



76.7214, 0.3258, 0.5194



76.7214, 0.1547, 0.1940



76.7214, 0.4710, 0.2969

Complementary

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



76.7214, 0.3258, 0.5194



28.2353, 0.2755, 0.1648

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.



76.7214, 0.3746, 0.2385



76.7214, 0.3258, 0.5194



76.7214, 0.1954, 0.1818

Square

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



76.7214, 0.3258, 0.5194



76.7214, 0.1463, 0.2423



76.7214, 0.2710, 0.1979



76.7214, 0.5131, 0.3641

Rectangle

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



76.7214, 0.3258, 0.5194



76.7214, 0.1889, 0.3749



76.7214, 0.2710, 0.1979



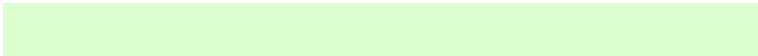
76.7214, 0.4429, 0.2761

Sweetspot

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



76.7247, 0.3258, 0.5194



91.3518, 0.3192, 0.3800



65.5065, 0.4302, 0.4373



19.3087, 0.3201, 0.3885



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.



76.7247, 0.3258, 0.5194



75.8948, 0.3234, 0.5521



74.1403, 0.2913, 0.4965



20.4279, 0.3160, 0.3533



38.2246, 0.3136, 0.5892



3.7753, 0.3217, 0.5827

Inverse Universe

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



28.2353, 0.2755, 0.1648



22.9391, 0.2657, 0.1407



34.1258, 0.3516, 0.2083



18.0154, 0.3090, 0.3052



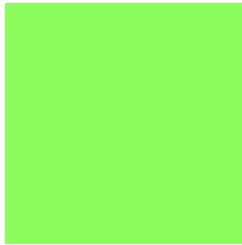
8.9068, 0.2472, 0.1136



0.9237, 0.2558, 0.1183

Previews

White Background



This preview shows how the Yxy color 76.7214, 0.3258, 0.5194 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 76.7214, 0.3258, 0.5194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

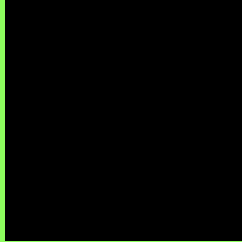
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

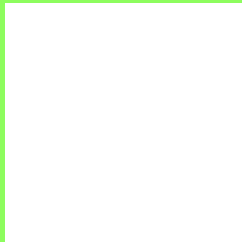
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7214, 0.3258, 0.5194

Background



This preview shows how black text looks on a background with the Yxy color 76.7214, 0.3258, 0.5194.

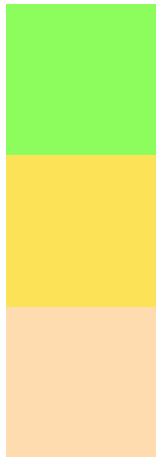


This preview shows how white text looks on a background with the Yxy color 76.7214, 0.3258, 0.5194.

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

76.7214, 0.3258, 0.5194

Protanopia

75.7600, 0.4194, 0.4604

Deuteranopia

75.5415, 0.3704, 0.3752



Tritanopia

76.4463, 0.2631, 0.3089

Trichromacy



Original Color

76.7214, 0.3258, 0.5194



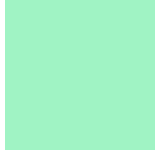
Protanomaly

74.7092, 0.3817, 0.4838



Deuteranomaly

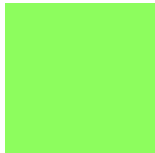
74.0847, 0.3548, 0.4255



Tritanomaly

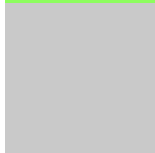
75.5603, 0.2885, 0.3857

Monochromacy



Original Color

76.7214, 0.3258, 0.5194



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.3787, 0.3213, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7214, 0.3258, 0.5194 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(141, 253, 94)` looks like.

```
.text, #text, p{  
    color:rgb(141, 253, 94)  
}
```

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(141, 253, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 253, 94) }
```

Border

The CSS property to change the border of an element to Yxy 76.7214, 0.3258, 0.5194 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(141, 253, 94) }
```

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

```
.border{ border-color:rgb(141, 253, 94) }
```

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

Here you see how a box with a 4 pixel rgb(141, 253, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 253, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 253, 94);  
box-shadow:4px 4px 4px 4px rgb(141, 253,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7214, 0.3258, 0.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 253, 94) }
```

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

```
.background{ background-color: rgb(141,  
253, 94) }
```

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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