

Converting Colors

Yxy(92.8132, 0.3245, 0.5254)

Have a look what the booklet for
Yxy(92.8132, 0.3245, 0.5254)
contains.

Yxy(78.7914, 0.3286, 0.5141)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.7914, 0.3286, 0.5141)

Conversions

Conversions Part 1

Format	Color
Hex	95FF62
RGB	149, 255, 98
RGB Percent	58%, 100%, 38%
CMY	0.4156, 0.0000, 0.6157
CMYK	0.42, 0.00, 0.62, 0.00
HSL	101°, 100%, 69%
HSV	101°, 62%, 100%
XYZ	50.3615, 78.7914, 24.1079
YIQ	205.4080, -12.7790, -71.2990

Conversions

Conversions Part 2

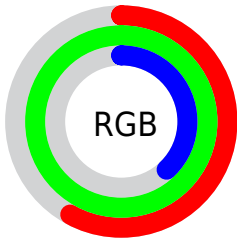
Format	Color
RYB	98, 255, 204
Decimal	9830242
CIELab	91.14, -57.21, 63.73
CIELCh	91, 85.643, 131.915
Yxy	78.7914, 0.3286, 0.5141
Android (android.graphics.Color)	4288020322 (0xFF95FF62)
YUV	205.4080, -52.9521, -49.4698
Hunter-Lab	88.7645, -54.0640, 46.0323

Details

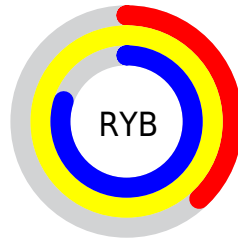
The Yxy color **78.7914, 0.3286, 0.5141** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **28.7898, 0.2723, 0.1657**, and the grayscale version is **61.6775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2630, 0.3402, 0.4391**, and **42.2028, 0.3242, 0.5595** is the 20% darker color. If you saturate the color by 10%, you get **76.8844, 0.3272, 0.5417**, and if you desaturate by 10%, it is **81.0948, 0.3284, 0.4830**.

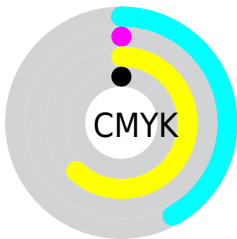
Distribution



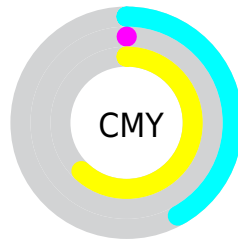
- Red (58%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (80%)



- Cyan (42%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7914, 0.3286, 0.5141 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 78.7914, 0.3286, 0.5141 by changing the saturation by 10% instead.

 78.7914, 0.3286,
0.5141

 78.7914, 0.3286,
0.5141


490.8504, 0.3274,
0.4246


 58.7243, 0.3270,
0.5346

 131.6652, 0.3296,
0.4828

 42.3912, 0.3240,
0.5597


 165.2406, 0.3296,
0.4706

 29.4078, 0.3186,
0.5906


 204.0877, 0.3294,
0.4602

 19.3895, 0.3088,
0.6290

 248.5907, 0.3291,
0.4512

 11.9521, 0.2921,
0.6793

299.1341, 0.3287,
0.4433

 6.7110, 0.2606,
0.7394


356.1022, 0.3283,


 3.2821, 0.2014,


0.4363


0.7986


419.8795, 0.3279,
0.4301

 1.2807, 0.0000,
1.0000


 0.1262, 0.0000,
1.0000


 78.7914, 0.3286,
0.5141


 78.7914, 0.3286,
0.5141


 76.8844, 0.3272,
0.5417


 81.0948, 0.3284,
0.4830

 75.3426, 0.3241,
0.5640

 83.8120, 0.3269,
0.4505

 74.1383, 0.3196,
0.5797

 86.9659, 0.3243,
0.4182

 73.3530, 0.3151,
0.5880

 90.5760, 0.3210,
0.3874

■ 94.6604, 0.3173,
0.3588

■ 99.2364, 0.3133,
0.3328

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.7914, 0.4179, 0.4943



78.7914, 0.3286, 0.5141



78.7914, 0.2399, 0.4516

Triad

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



78.7914, 0.3286, 0.5141



78.7914, 0.1575, 0.1980



78.7914, 0.4648, 0.2965

Complementary

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



78.7914, 0.3286, 0.5141



28.7898, 0.2723, 0.1657

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.



78.7914, 0.3704, 0.2394



78.7914, 0.3286, 0.5141



78.7914, 0.1967, 0.1849

Square

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



78.7914, 0.3286, 0.5141



78.7914, 0.1501, 0.2466



78.7914, 0.2699, 0.2001



78.7914, 0.5077, 0.3625

Rectangle

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



78.7914, 0.3286, 0.5141



78.7914, 0.1936, 0.3768



78.7914, 0.2699, 0.2001



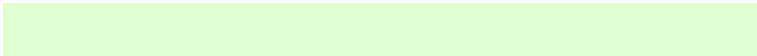
78.7914, 0.4370, 0.2761

Sweetspot

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



78.7933, 0.3286, 0.5141



91.9783, 0.3197, 0.3769



64.6964, 0.4313, 0.4312



19.4414, 0.3208, 0.3854



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.



78.7933, 0.3286, 0.5141



76.4768, 0.3266, 0.5477



75.5761, 0.2936, 0.4992



20.4547, 0.3165, 0.3532



38.3997, 0.3162, 0.5871



3.7950, 0.3246, 0.5804

Inverse Universe

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



28.7898, 0.2723, 0.1657



22.5784, 0.2612, 0.1398



35.6431, 0.3450, 0.2059



17.9872, 0.3086, 0.3052



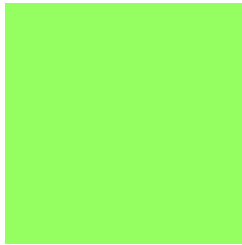
8.4475, 0.2401, 0.1097



0.8816, 0.2495, 0.1148

Previews

White Background



This preview shows how the Yxy color 78.7914, 0.3286, 0.5141 looks on a white background.

Color Contrast Check

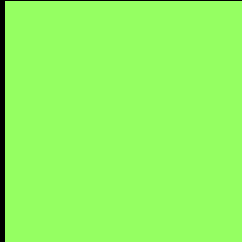
Large Text (above 18pt) WCAG AA × Fail

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 78.7914, 0.3286, 0.5141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

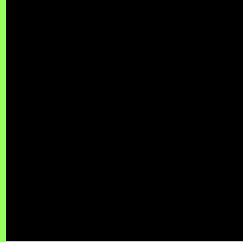
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

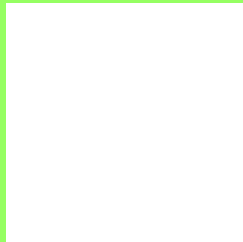
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7914, 0.3286, 0.5141

Background



This preview shows how black text looks on a background with the Yxy color 78.7914, 0.3286, 0.5141.

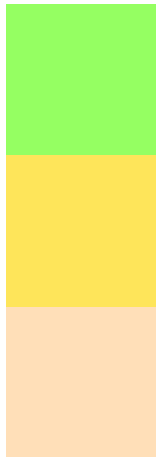


This preview shows how white text looks on a background with the Yxy color 78.7914, 0.3286, 0.5141.

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

78.7914, 0.3286, 0.5141

Protanopia

77.8476, 0.4172, 0.4591

Deuteranopia

77.4960, 0.3631, 0.3689



Tritanopia

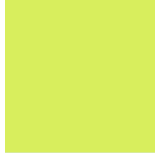
78.3142, 0.2691, 0.3103

Trichromacy



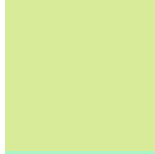
Original Color

78.7914, 0.3286, 0.5141



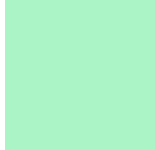
Protanomaly

76.5383, 0.3820, 0.4804



Deuteranomaly

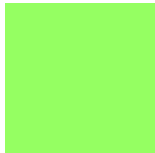
76.3155, 0.3512, 0.4202



Tritanomaly

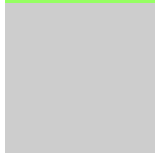
77.3246, 0.2931, 0.3834

Monochromacy



Original Color

78.7914, 0.3286, 0.5141



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.8428, 0.3227, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7914, 0.3286, 0.5141 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, 255, 98)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 98)  
}
```

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, 255, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 98) }
```

Border

The CSS property to change the border of an element to Yxy 78.7914, 0.3286, 0.5141 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, 255, 98) }
```

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

```
.border{ border-color:rgb(149, 255, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 98);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7914, 0.3286, 0.5141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 98) }
```

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

```
.background{ background-color: rgb(149,  
255, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor