

Converting Colors

$Yxy(78.0908, 0.3529, 0.5071)$

Have a look what the booklet for
Yxy(78.0908, 0.3529, 0.5071)
contains.

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Color

Yxy(78.0563, 0.3524, 0.5069)

Conversions

Conversions Part 1

Format	Color
Hex	B3F959
RGB	179, 249, 89
RGB Percent	70%, 98%, 35%
CMY	0.2982, 0.0235, 0.6508
CMYK	0.28, 0.00, 0.64, 0.02
HSL	86°, 93%, 66%
HSV	86°, 64%, 98%
XYZ	54.2652, 78.0563, 21.6661
YIQ	209.8300, 9.6400, -64.6000

Conversions

Conversions Part 2

Format	Color
RYB	89, 249, 159
Decimal	11794777
CIELab	90.81, -45.58, 67.39
CIELCh	91, 81.351, 124.073
Yxy	78.0563, 0.3524, 0.5069
Android (android.graphics.Color)	4289984857 (0xFFB3F959)
YUV	209.8300, -59.5692, -27.0379
Hunter-Lab	88.3495, -44.9749, 47.3049

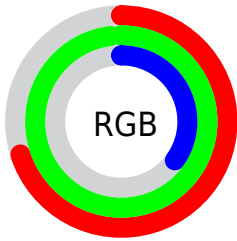
Details

The Yxy color **78.0563, 0.3524, 0.5069** is a light color, and the websafe version is hex **CCFF66**.

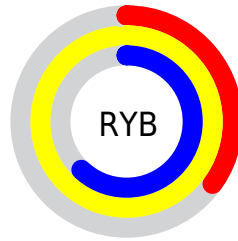
The color can be described as light muted chartreuse. A complement of this color would be **21.3720, 0.2360, 0.1441**, and the grayscale version is **64.7255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7415, 0.3654, 0.4403**, and **41.8344, 0.3526, 0.5481** is the 20% darker color. If you saturate the color by 10%, you get **76.4616, 0.3530, 0.5296**, and if you desaturate by 10%, it is **79.9020, 0.3495, 0.4805**.

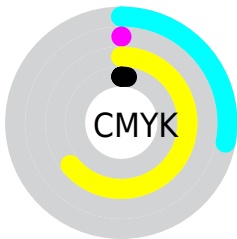
Distribution



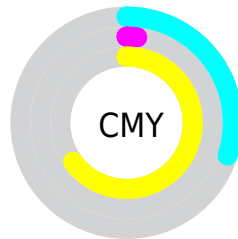
- Red (70%)
- Green (98%)
- Blue (35%)



- Red (35%)
- Yellow (98%)
- Blue (62%)



- Cyan (28%)
- Magenta (0%)
- Yellow (64%)
- Black (2%)




- Cyan (30%)
- Magenta (2%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0563, 0.3524, 0.5069 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 78.0563, 0.3524, 0.5069 by changing the saturation by 10% instead.


 78.0563, 0.3524,
0.5069


 78.0563, 0.3524,
0.5069

488.3580, 0.3404,
0.4227


 58.1202, 0.3531,
0.5256


 130.6295, 0.3498,
0.4779

 41.9053, 0.3528,
0.5481

 164.0354, 0.3483,
0.4665

 29.0272, 0.3506,
0.5752


 202.7000, 0.3469,
0.4567

 19.1014, 0.3447,
0.6080

 247.0078, 0.3454,
0.4481

 11.7435, 0.3349,
0.6536

297.3431, 0.3441,
0.4406

 6.5693, 0.3060,
0.6940

354.0903, 0.3428,

 3.1942, 0.2560,

0.4339

0.7440

417.6338, 0.3416,
0.4280

■ 1.2340, 0.0194,
0.9806

■ 0.0892, 0.0000,
1.0000

■ 78.0563, 0.3524,
0.5069

■ 78.0563, 0.3524,
0.5069

■ 76.4616, 0.3530,
0.5296

■ 79.9020, 0.3495,
0.4805

■ 75.0903, 0.3513,
0.5474


■ 82.0036, 0.3447,
0.4519

■ 73.9252, 0.3473,
0.5598

■ 84.3781, 0.3386,
0.4225

■ 73.3315, 0.3442,
0.5649

■ 87.0380, 0.3314,
0.3934

 89.9949, 0.3238,
0.3655

 93.2596, 0.3160,
0.3394

 96.2377, 0.3130,
0.3233

Harmonies

Analogous

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



78.0563, 0.4346, 0.4749



78.0563, 0.3524, 0.5069



78.0563, 0.2646, 0.4679

Triad

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



78.0563, 0.3524, 0.5069



78.0563, 0.1583, 0.2120



78.0563, 0.4374, 0.2828

Complementary

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



78.0563, 0.3524, 0.5069



21.3720, 0.2360, 0.1441

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.



78.0563, 0.3418, 0.2310



78.0563, 0.3524, 0.5069



78.0563, 0.1882, 0.1908

Square

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



78.0563, 0.3524, 0.5069



78.0563, 0.1596, 0.2699



78.0563, 0.2505, 0.1986



78.0563, 0.4945, 0.3453

Rectangle

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



78.0563, 0.3524, 0.5069



78.0563, 0.2147, 0.4034



78.0563, 0.2505, 0.1986



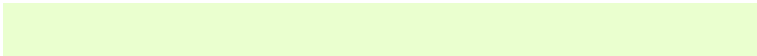
78.0563, 0.4077, 0.2639

Sweetspot

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



78.0597, 0.3524, 0.5069



93.4592, 0.3275, 0.3787



45.4413, 0.4662, 0.3985



19.8152, 0.3297, 0.3867



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.



78.0597, 0.3524, 0.5069



80.2702, 0.3528, 0.5352



71.1725, 0.3073, 0.5346



19.7905, 0.3201, 0.3529



39.3352, 0.3453, 0.5640



3.7059, 0.3538, 0.5573

Inverse Universe

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



21.3720, 0.2360, 0.1441



16.2976, 0.2173, 0.1135



32.2293, 0.3094, 0.1779



17.0148, 0.3048, 0.3050



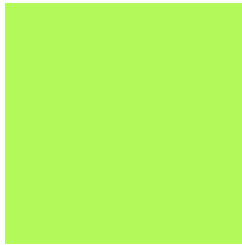
5.4830, 0.1907, 0.0824



0.5693, 0.2039, 0.0897

Previews

White Background



This preview shows how the Yxy color 78.0563, 0.3524, 0.5069 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 78.0563, 0.3524, 0.5069 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 78.0563, 0.3524, 0.5069

Background



This preview shows how black text looks on a background with the Yxy color 78.0563, 0.3524, 0.5069.

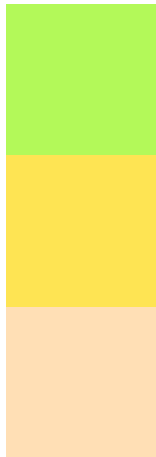


This preview shows how white text looks on a background with the Yxy color 78.0563, 0.3524, 0.5069.

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

78.0563, 0.3524, 0.5069

Protanopia

77.1822, 0.4209, 0.4629

Deuteranopia

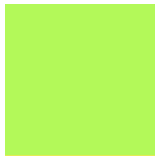
77.3715, 0.3653, 0.3720



Tritanopia

77.5855, 0.2805, 0.3085

Trichromacy



Original Color

78.0563, 0.3524, 0.5069



Protanomaly

76.9777, 0.3947, 0.4799



Deuteranomaly

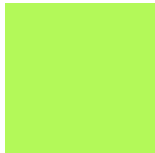
76.1822, 0.3634, 0.4202



Tritanomaly

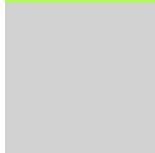
76.7897, 0.3096, 0.3820

Monochromacy



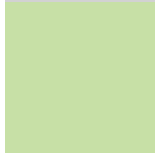
Original Color

78.0563, 0.3524, 0.5069



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.2066, 0.3328, 0.3976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0563, 0.3524, 0.5069 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(179, 249, 89)` looks like.

```
.text, #text, p{  
    color:rgb(179, 249, 89)  
}
```

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(179, 249, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 249, 89) }
```

Border

The CSS property to change the border of an element to Yxy 78.0563, 0.3524, 0.5069 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(179, 249, 89) }
```

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

```
.border{ border-color:rgb(179, 249, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 249, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 249, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 249, 89);  
box-shadow:4px 4px 4px 4px rgb(179, 249,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0563, 0.3524, 0.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 249, 89) }
```

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

```
.background{ background-color: rgb(179,  
249, 89) }
```

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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