

Converting Colors

Yxy(76.5180, 0.3515, 0.4994)

Have a look what the booklet for
Yxy(76.5180, 0.3515, 0.4994)
contains.

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Color

Yxy(76.4411, 0.3519, 0.4995)

Conversions

Conversions Part 1

Format	Color
Hex	B4F65F
RGB	180, 246, 95
RGB Percent	71%, 96%, 37%
CMY	0.2939, 0.0353, 0.6275
CMYK	0.27, 0.00, 0.61, 0.04
HSL	86°, 89%, 67%
HSV	86°, 61%, 96%
XYZ	53.8531, 76.4411, 22.7410
YIQ	209.0520, 9.1350, -60.9530

Conversions

Conversions Part 2

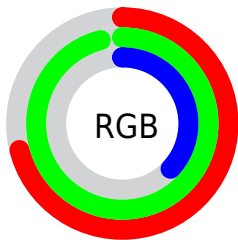
Format	Color
RYB	95, 246, 161
Decimal	11859551
CIELab	90.06, -43.43, 64.21
CIELCh	90, 77.516, 124.076
Yxy	76.4411, 0.3519, 0.4995
Android (android.graphics.Color)	4290049631 (0xFFB4F65F)
YUV	209.0520, -56.2276, -25.4786
Hunter-Lab	87.4306, -43.0560, 45.7799

Details

The Yxy color **76.4411, 0.3519, 0.4995** 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 **22.4080, 0.2401, 0.1520**, and the grayscale version is **64.1744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1051, 0.3629, 0.4344**, and **40.7335, 0.3532, 0.5392** is the 20% darker color. If you saturate the color by 10%, you get **74.8253, 0.3532, 0.5234**, and if you desaturate by 10%, it is **78.3048, 0.3484, 0.4724**.

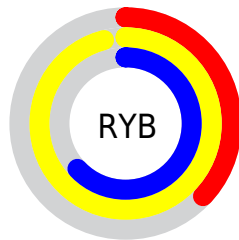
Distribution



Red (71%)

Green (96%)

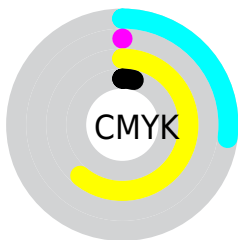
Blue (37%)



Red (37%)

Yellow (96%)

Blue (63%)

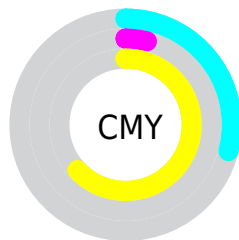


Cyan (27%)

Magenta (0%)

Yellow (61%)

Black (4%)



Cyan (29%)


Magenta (4%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4411, 0.3519, 0.4995 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 76.4411, 0.3519, 0.4995 by changing the saturation by 10% instead.


 76.4411, 0.3519,
0.4995


 76.4411, 0.3519,
0.4995


482.8563, 0.3395,
0.4184

 56.7943, 0.3529,
0.5177

 128.3502, 0.3490,
0.4714


 40.8401, 0.3530,
0.5397


 161.3813, 0.3474,
0.4605

 28.1942, 0.3515,
0.5665


 199.6427, 0.3459,
0.4510

 18.4721, 0.3466,
0.5992

 243.5186, 0.3445,
0.4428

 11.2894, 0.3374,
0.6432

293.3935, 0.3431,
0.4355

 6.2619, 0.3119,
0.6881


349.6519, 0.3418,


 3.0050, 0.2623,


0.4291


0.7377

412.6780, 0.3406,
0.4235


 1.1343, 0.0000,
1.0000


 0.0071, 0.0000,
1.0000


 76.4411, 0.3519,
0.4995


 76.4411, 0.3519,
0.4995


 74.8253, 0.3532,
0.5234


 78.3048, 0.3484,
0.4724


 73.4311, 0.3522,
0.5427

 80.4205, 0.3432,
0.4434

 72.2431, 0.3488,
0.5566

 82.8043, 0.3366,
0.4140

 71.3604, 0.3445,
0.5647

 85.4682, 0.3293,
0.3852

 88.4231, 0.3216,
0.3579

 91.6793, 0.3138,
0.3324

 94.3883, 0.3131,
0.3204

Harmonies

Analogous

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



76.4411, 0.4311, 0.4704



76.4411, 0.3519, 0.4995



76.4411, 0.2670, 0.4614

Triad

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



76.4411, 0.3519, 0.4995



76.4411, 0.1632, 0.2163



76.4411, 0.4325, 0.2847

Complementary

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



76.4411, 0.3519, 0.4995



22.4080, 0.2401, 0.1520

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.



76.4411, 0.3409, 0.2343



76.4411, 0.3519, 0.4995



76.4411, 0.1924, 0.1953

Square

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



76.4411, 0.3519, 0.4995



76.4411, 0.1646, 0.2727



76.4411, 0.2529, 0.2027



76.4411, 0.4874, 0.3457

Rectangle

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



76.4411, 0.3519, 0.4995



76.4411, 0.2186, 0.4003



76.4411, 0.2529, 0.2027



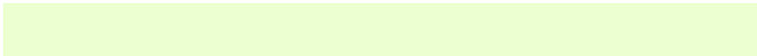
76.4411, 0.4040, 0.2663

Sweetspot

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



76.4445, 0.3519, 0.4995



93.7831, 0.3268, 0.3759



45.7089, 0.4572, 0.3965



19.8796, 0.3290, 0.3840



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.



76.4445, 0.3519, 0.4995



80.7552, 0.3532, 0.5292



69.7416, 0.3078, 0.5254



18.9325, 0.3201, 0.3529



38.1758, 0.3456, 0.5638



3.4160, 0.3544, 0.5568

Inverse Universe

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



22.4080, 0.2401, 0.1520



17.5133, 0.2214, 0.1198



32.6581, 0.3097, 0.1829



16.2807, 0.3048, 0.3050



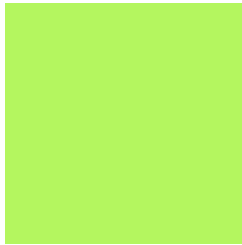
5.3137, 0.1906, 0.0823



0.5267, 0.2045, 0.0900

Previews

White Background



This preview shows how the Yxy color 76.4411, 0.3519, 0.4995 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 76.4411, 0.3519, 0.4995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

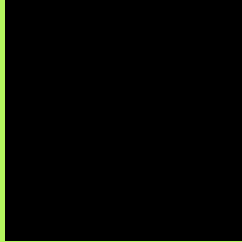
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4411, 0.3519, 0.4995

Background



This preview shows how black text looks on a background with the Yxy color 76.4411, 0.3519, 0.4995.



This preview shows how white text looks on a background with the Yxy color 76.4411, 0.3519, 0.4995.

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

76.4411, 0.3519, 0.4995

Protanopia

75.8094, 0.4181, 0.4584

Deuteranopia

75.5415, 0.3704, 0.3752



Tritanopia

76.2707, 0.2820, 0.3095

Trichromacy



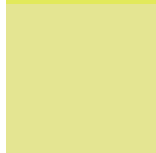
Original Color

76.4411, 0.3519, 0.4995



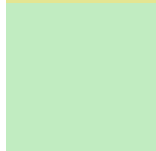
Protanomaly

75.2019, 0.3931, 0.4738



Deuteranomaly

74.6079, 0.3664, 0.4192



Tritanomaly

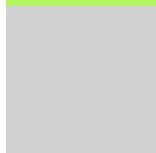
75.1786, 0.3104, 0.3787

Monochromacy



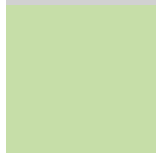
Original Color

76.4411, 0.3519, 0.4995



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.0755, 0.3311, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4411, 0.3519, 0.4995 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(180, 246, 95)` looks like.

```
.text, #text, p{  
    color:rgb(180, 246, 95)  
}
```

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(180, 246, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 246, 95) }
```

Border

The CSS property to change the border of an element to Yxy 76.4411, 0.3519, 0.4995 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(180, 246, 95) }
```

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

```
.border{ border-color:rgb(180, 246, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 246, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 246, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 246, 95);  
box-shadow:4px 4px 4px 4px rgb(180, 246,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4411, 0.3519, 0.4995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 246, 95) }
```

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

```
.background{ background-color: rgb(180,  
246, 95) }
```

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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