

Converting Colors

$Y_{xy}(79.5765, 0.3440, 0.4510)$

Have a look what the booklet for
Yxy(79.5765, 0.3440, 0.4510)
contains.

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Color

Yxy(79.7523, 0.3440, 0.4510)

Conversions

Conversions Part 1

Format	Color
Hex	C6F68A
RGB	198, 246, 138
RGB Percent	78%, 96%, 54%
CMY	0.2236, 0.0353, 0.4586
CMYK	0.20, 0.00, 0.44, 0.04
HSL	87°, 86%, 75%
HSV	87°, 44%, 96%
XYZ	60.8310, 79.7523, 36.2510
YIQ	219.3360, 6.0600, -43.7640

Conversions

Conversions Part 2

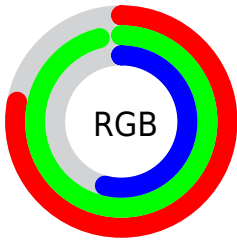
Format	Color
RYB	138, 246, 186
Decimal	13039242
CIELab	91.57, -32.79, 46.85
CIELCh	92, 57.189, 124.985
Yxy	79.7523, 0.3440, 0.4510
Android (android.graphics.Color)	4291229322 (0xFFC6F68A)
YUV	219.3360, -40.0986, -18.7117
Hunter-Lab	89.3041, -34.6940, 38.4454

Details

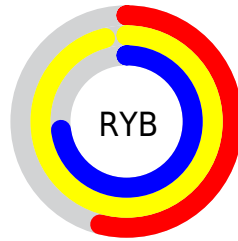
The Yxy color **79.7523, 0.3440, 0.4510** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.2952, 0.2661, 0.2042**, and the grayscale version is **71.3673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **42.8019, 0.3482, 0.4808** is the 20% darker color. If you saturate the color by 10%, you get **77.6880, 0.3487, 0.4798**, and if you desaturate by 10%, it is **82.0925, 0.3379, 0.4215**.

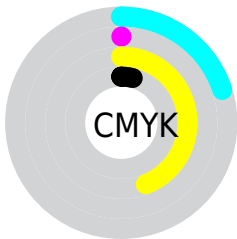
Distribution



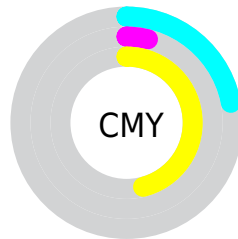
- Red (78%)
- Green (96%)
- Blue (54%)



- Red (54%)
- Yellow (96%)
- Blue (73%)



- Cyan (20%)
- Magenta (0%)
- Yellow (44%)
- Black (4%)




- Cyan (22%)
- Magenta (4%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7523, 0.3440, 0.4510 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 79.7523, 0.3440, 0.4510 by changing the saturation by 10% instead.


 79.7523, 0.3440,
0.4510


 79.7523, 0.3440,
0.4510


494.0977, 0.3322,
0.3932


 59.5145, 0.3459,
0.4643

 133.0174, 0.3405,
0.4308

 43.0275, 0.3478,
0.4806


 166.8136, 0.3390,
0.4230

 29.9067, 0.3494,
0.5010


 205.8980, 0.3376,
0.4163

 19.7678, 0.3502,
0.5272

250.6550, 0.3363,
0.4104

 12.2263, 0.3487,
0.5613

301.4692, 0.3351,
0.4053

 6.8980, 0.3435,
0.6096

358.7247, 0.3341,

 3.3984, 0.3253,

0.4008

0.6747

422.8061, 0.3331,
0.3968

■ 1.3431, 0.2371,
0.7629

■ 0.1742, 0.0000,
1.0000

■ 79.7523, 0.3440,
0.4510

■ 79.7523, 0.3440,
0.4510

■ 77.6880, 0.3487,
0.4798

■ 82.0925, 0.3379,
0.4215

■ 75.8758, 0.3516,
0.5064


■ 84.7101, 0.3309,
0.3924


■ 74.3044, 0.3522,
0.5294

■ 87.6202, 0.3234,
0.3646

■ 72.9570, 0.3505,
0.5475

■ 90.8332, 0.3157,
0.3385

 71.8136, 0.3465,
0.5601

 93.9629, 0.3117,
0.3204

 71.1978, 0.3432,
0.5657

 94.3961, 0.3131,
0.3204

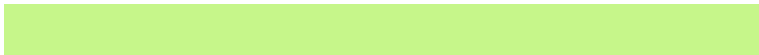
Harmonies

Analogous

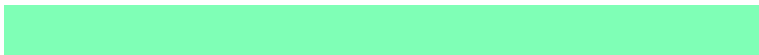
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7523, 0.4032, 0.4381



79.7523, 0.3440, 0.4510



79.7523, 0.2796, 0.4198

Triad

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



79.7523, 0.3440, 0.4510



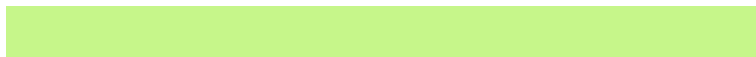
79.7523, 0.1979, 0.2445



79.7523, 0.4018, 0.2986

Complementary

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



79.7523, 0.3440, 0.4510



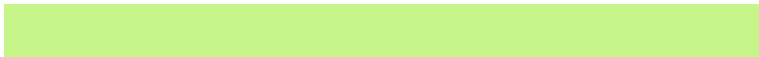
35.2952, 0.2661, 0.2042

Split Complementary

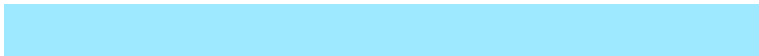
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.7523, 0.3367, 0.2578



79.7523, 0.3440, 0.4510



79.7523, 0.2224, 0.2266

Square

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



79.7523, 0.3440, 0.4510



79.7523, 0.1993, 0.2886



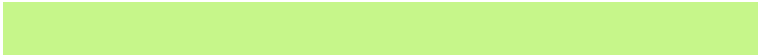
79.7523, 0.2709, 0.2322



79.7523, 0.4411, 0.3477

Rectangle

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



79.7523, 0.3440, 0.4510



79.7523, 0.2425, 0.3781



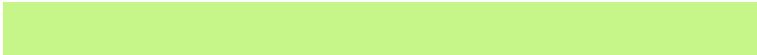
79.7523, 0.2709, 0.2322



79.7523, 0.3817, 0.2837

Sweetspot

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



79.7558, 0.3440, 0.4510



95.3554, 0.3227, 0.3622



56.0587, 0.4056, 0.3795



20.2532, 0.3244, 0.3682



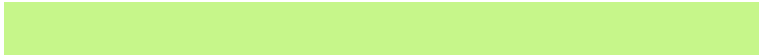
0.0000, 0.0000, 0.0000



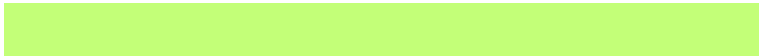
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7558, 0.3440, 0.4510



84.4579, 0.3484, 0.4776



73.7950, 0.3103, 0.4648



18.9256, 0.3200, 0.3529



38.0846, 0.3444, 0.5648



3.4082, 0.3533, 0.5577

Inverse Universe

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



35.2952, 0.2661, 0.2042



30.3172, 0.2532, 0.1762



43.1640, 0.3114, 0.2194



16.2875, 0.3049, 0.3050



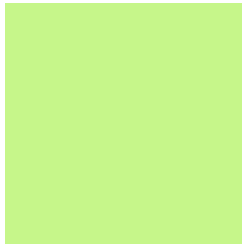
5.3821, 0.1920, 0.0831



0.5330, 0.2059, 0.0908

Previews

White Background



This preview shows how the Yxy color 79.7523, 0.3440, 0.4510 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 79.7523, 0.3440, 0.4510 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 79.7523, 0.3440, 0.4510

Background



This preview shows how black text looks on a background with the Yxy color 79.7523, 0.3440, 0.4510.

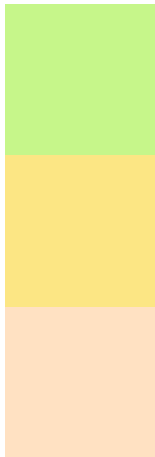


This preview shows how white text looks on a background with the Yxy color 79.7523, 0.3440, 0.4510.

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

79.7523, 0.3440, 0.4510

Protanopia

78.9550, 0.3929, 0.4272

Deuteranopia

79.0055, 0.3556, 0.3606



Tritanopia

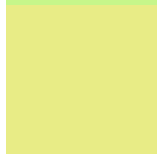
79.5390, 0.2896, 0.3101

Trichromacy



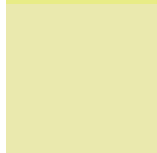
Original Color

79.7523, 0.3440, 0.4510



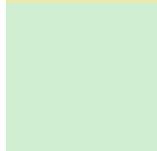
Protanomaly

78.8679, 0.3741, 0.4366



Deuteranomaly

78.8262, 0.3517, 0.3920



Tritanomaly

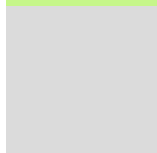
79.2121, 0.3100, 0.3599

Monochromacy



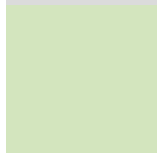
Original Color

79.7523, 0.3440, 0.4510



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.6052, 0.3252, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7523, 0.3440, 0.4510 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(198, 246, 138)` looks like.

```
.text, #text, p{  
    color:rgb(198, 246, 138)  
}
```

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(198, 246, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 246, 138) }
```

Border

The CSS property to change the border of an element to Yxy 79.7523, 0.3440, 0.4510 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(198, 246, 138) }
```

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

```
.border{ border-color:rgb(198, 246, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 246, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 246, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 246, 138);  
box-shadow:4px 4px 4px 4px rgb(198, 246,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7523, 0.3440, 0.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 246, 138) }
```

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

```
.background{ background-color: rgb(198,  
246, 138) }
```

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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