

Converting Colors

$Yxy(79.9100, 0.3475, 0.4489)$

Have a look what the booklet for
Yxy(79.9100, 0.3475, 0.4489)
contains.

Yxy(79.8363, 0.3478, 0.4488)	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(79.8363, 0.3478, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	CBF58A
RGB	203, 245, 138
RGB Percent	80%, 96%, 54%
CMY	0.2039, 0.0392, 0.4589
CMYK	0.17, 0.00, 0.44, 0.04
HSL	84°, 84%, 75%
HSV	84°, 44%, 96%
XYZ	61.8696, 79.8363, 36.1825
YIQ	220.2440, 9.3150, -42.1810

Conversions

Conversions Part 2

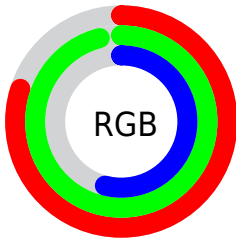
Format	Color
RYB	138, 245, 180
Decimal	13366666
CIELab	91.61, -30.51, 47.01
CIElCh	92, 56.043, 122.990
Yxy	79.8363, 0.3478, 0.4488
Android (android.graphics.Color)	4291556746 (0xFFCBF58A)
YUV	220.2440, -40.5463, -15.1230
Hunter-Lab	89.3512, -32.7655, 38.5365

Details

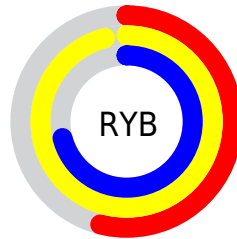
The Yxy color **79.8363, 0.3478, 0.4488** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.4609, 0.2618, 0.2033**, and the grayscale version is **72.0352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **43.2541, 0.3526, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **77.9005, 0.3534, 0.4767**, and if you desaturate by 10%, it is **82.0229, 0.3408, 0.4200**.

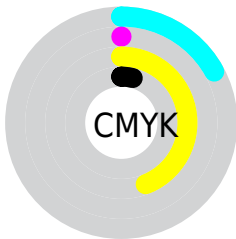
Distribution



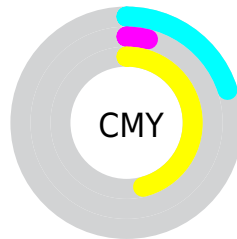
- Red (80%)
- Green (96%)
- Blue (54%)



- Red (54%)
- Yellow (96%)
- Blue (71%)



- Cyan (17%)
- Magenta (0%)
- Yellow (44%)
- Black (4%)




- Cyan (20%)
- Magenta (4%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8363, 0.3478, 0.4488 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 79.8363, 0.3478, 0.4488 by changing the saturation by 10% instead.


 79.8363, 0.3478,
0.4488


 79.8363, 0.3478,
0.4488


494.3810, 0.3342,
0.3922


 59.5837, 0.3501,
0.4617

 133.1356, 0.3437,
0.4291

 43.0831, 0.3525,
0.4776


 166.9510, 0.3419,
0.4215

 29.9504, 0.3548,
0.4974


 206.0561, 0.3403,
0.4149

 19.8009, 0.3565,
0.5226

250.8353, 0.3388,
0.4092

 12.2504, 0.3562,
0.5554

301.6730, 0.3375,
0.4042

 6.9145, 0.3528,
0.6016


358.9536, 0.3363,


 3.4087, 0.3371,

0.3997

0.6629


423.0614, 0.3352,
0.3958


 1.3486, 0.2612,
0.7388


 0.1784, 0.0000,
1.0000


 79.8363, 0.3478,
0.4488


 79.8363, 0.3478,
0.4488


 77.9005, 0.3534,
0.4767


 82.0229, 0.3408,
0.4200


 76.1924, 0.3572,
0.5024


 84.4610, 0.3328,
0.3914


 74.7019, 0.3587,
0.5245


 87.1647, 0.3244,
0.3639


 73.4131, 0.3577,
0.5418

 90.1439, 0.3158,
0.3380

 72.3071, 0.3543,
0.5539

 93.0500, 0.3107,
0.3194

 71.6859, 0.3513,
0.5593

 93.7871, 0.3132,
0.3194

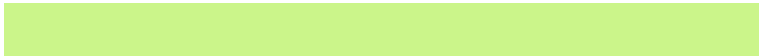
Harmonies

Analogous

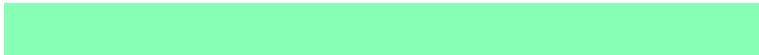
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8363, 0.4049, 0.4341



79.8363, 0.3478, 0.4488



79.8363, 0.2844, 0.4211

Triad

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



79.8363, 0.3478, 0.4488



79.8363, 0.1992, 0.2483



79.8363, 0.3963, 0.2962

Complementary

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



79.8363, 0.3478, 0.4488



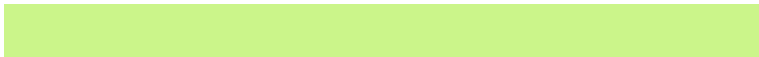
34.4609, 0.2618, 0.2033

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.



79.8363, 0.3318, 0.2569



79.8363, 0.3478, 0.4488



79.8363, 0.2216, 0.2288

Square

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



79.8363, 0.3478, 0.4488



79.8363, 0.2023, 0.2933



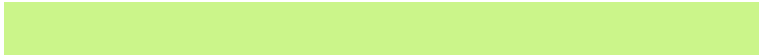
79.8363, 0.2679, 0.2329



79.8363, 0.4371, 0.3443

Rectangle

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



79.8363, 0.3478, 0.4488



79.8363, 0.2472, 0.3816



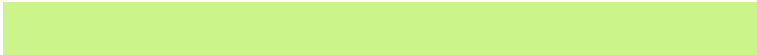
79.8363, 0.2679, 0.2329



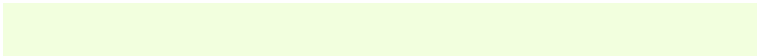
79.8363, 0.3762, 0.2818

Sweetspot

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



79.8398, 0.3478, 0.4488



95.6622, 0.3238, 0.3621



53.4882, 0.4078, 0.3737



20.3290, 0.3257, 0.3681



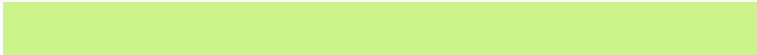
0.0000, 0.0000, 0.0000



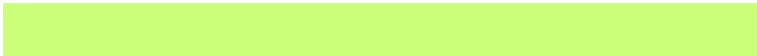
21.4041, 0.3127, 0.3290

Same Dimension

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



79.8398, 0.3478, 0.4488



85.6287, 0.3527, 0.4724



73.6691, 0.3135, 0.4628



18.9703, 0.3208, 0.3528



38.6998, 0.3523, 0.5584



3.4607, 0.3606, 0.5519

Inverse Universe

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



34.4609, 0.2618, 0.2033



30.2846, 0.2490, 0.1770



42.0045, 0.3067, 0.2183



16.2438, 0.3041, 0.3050



4.9692, 0.1832, 0.0783



0.4944, 0.1971, 0.0859

Previews

White Background



This preview shows how the Yxy color 79.8363, 0.3478, 0.4488 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 79.8363, 0.3478, 0.4488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

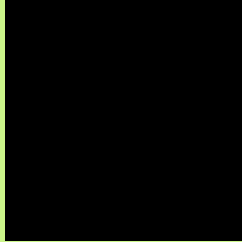
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8363, 0.3478, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 79.8363, 0.3478, 0.4488.

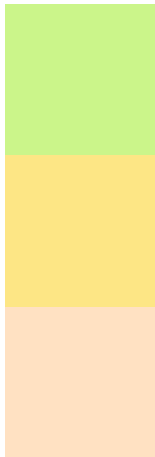


This preview shows how white text looks on a background with the Yxy color 79.8363, 0.3478, 0.4488.

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

79.8363, 0.3478, 0.4488

Protanopia

79.1697, 0.3930, 0.4260

Deuteranopia

79.0055, 0.3556, 0.3606



Tritanopia

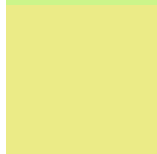
79.5208, 0.2926, 0.3102

Trichromacy



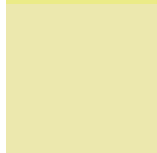
Original Color

79.8363, 0.3478, 0.4488



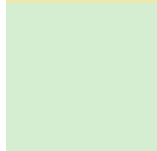
Protanomaly

78.8281, 0.3761, 0.4338



Deuteranomaly

78.6021, 0.3534, 0.3907



Tritanomaly

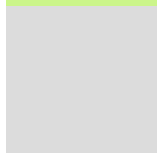
79.3180, 0.3139, 0.3597

Monochromacy



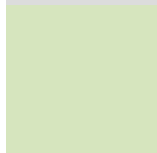
Original Color

79.8363, 0.3478, 0.4488



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.0525, 0.3274, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8363, 0.3478, 0.4488 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(203, 245, 138)` looks like.

```
.text, #text, p{  
    color:rgb(203, 245, 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(203, 245, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 245, 138) }
```

Border

The CSS property to change the border of an element to Yxy 79.8363, 0.3478, 0.4488 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(203, 245, 138) }
```

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

```
.border{ border-color:rgb(203, 245, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 245, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 245, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 245, 138);  
box-shadow:4px 4px 4px 4px rgb(203, 245,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8363, 0.3478, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 245, 138) }
```

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

```
.background{ background-color: rgb(203,  
245, 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](#).

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