

Converting Colors

$Yxy(81.4563, 0.3560, 0.4433)$

Have a look what the booklet for
Yxy(81.4563, 0.3560, 0.4433)
contains.

Yxy(81.7678, 0.3564, 0.4440)	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(81.7678, 0.3564, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	D8F58B
RGB	216, 245, 139
RGB Percent	85%, 96%, 55%
CMY	0.1529, 0.0392, 0.4548
CMYK	0.12, 0.00, 0.43, 0.04
HSL	76°, 84%, 75%
HSV	76°, 43%, 96%
XYZ	65.6352, 81.7678, 36.7587
YIQ	224.2450, 16.7420, -39.1140

Conversions

Conversions Part 2

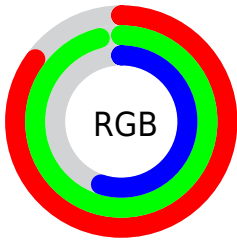
Format	Color
RYB	139, 245, 168
Decimal	14218635
CIELab	92.47, -25.61, 47.76
CIELCh	92, 54.191, 118.198
Yxy	81.7678, 0.3564, 0.4440
Android (android.graphics.Color)	4292408715 (0xFFD8F58B)
YUV	224.2450, -42.0258, -7.2309
Hunter-Lab	90.4255, -28.6808, 39.1960

Details

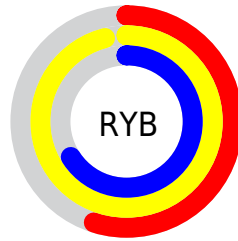
The Yxy color **81.7678, 0.3564, 0.4440** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.3925, 0.2524, 0.2013**, and the grayscale version is **75.0279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **44.5407, 0.3637, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **80.1333, 0.3642, 0.4700**, and if you desaturate by 10%, it is **83.6117, 0.3472, 0.4167**.

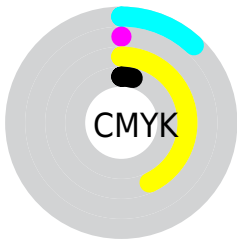
Distribution



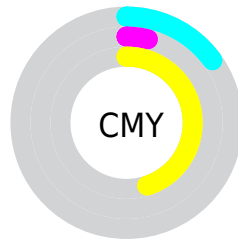
- Red (85%)
- Green (96%)
- Blue (55%)



- Red (55%)
- Yellow (96%)
- Blue (66%)



- Cyan (12%)
- Magenta (0%)
- Yellow (43%)
- Black (4%)





- Cyan (15%)
- Magenta (4%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7678, 0.3564, 0.4440 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 81.7678, 0.3564, 0.4440 by changing the saturation by 10% instead.


 81.7678, 0.3564,
0.4440


 81.7678, 0.3564,
0.4440


500.8707, 0.3388,
0.3904


 61.1742, 0.3596,
0.4560


 135.8483, 0.3509,
0.4255

 44.3657, 0.3632,
0.4707


 170.1040, 0.3486,
0.4183

 30.9581, 0.3669,
0.4889


 209.6825, 0.3465,
0.4120

 20.5670, 0.3705,
0.5118

254.9682, 0.3446,
0.4066

 12.8078, 0.3730,
0.5412

306.3454, 0.3429,
0.4018

 7.2964, 0.3731,
0.5811

364.1987, 0.3414,

 3.6481, 0.3649,

0.3976

428.9123, 0.3400,
0.3938

0.6351

1.4787, 0.3173,
0.6827

0.2737, 0.0000,
1.0000

81.7678, 0.3564,
0.4440

81.7678, 0.3564,
0.4440

80.1333, 0.3642,
0.4700

83.6117, 0.3472,
0.4167

78.6859, 0.3701,
0.4934


85.6645, 0.3371,
0.3893


77.4166, 0.3737,
0.5133


87.9392, 0.3266,
0.3625


76.3108, 0.3746,
0.5285

90.4448, 0.3161,
0.3370

 75.3509, 0.3731,
0.5389

 92.7620, 0.3097,
0.3193

 74.7683, 0.3709,
0.5437

 93.7860, 0.3132,
0.3194

Harmonies

Analogous

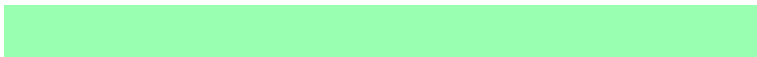
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7678, 0.4087, 0.4253



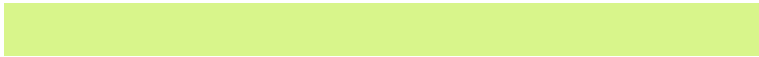
81.7678, 0.3564, 0.4440



81.7678, 0.2952, 0.4240

Triad

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



81.7678, 0.3564, 0.4440



81.7678, 0.2020, 0.2568



81.7678, 0.3839, 0.2907

Complementary

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



81.7678, 0.3564, 0.4440



33.3925, 0.2524, 0.2013

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.



81.7678, 0.3208, 0.2546



81.7678, 0.3564, 0.4440



81.7678, 0.2199, 0.2339

Square

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



81.7678, 0.3564, 0.4440



81.7678, 0.2092, 0.3041



81.7678, 0.2612, 0.2342



81.7678, 0.4281, 0.3364

Rectangle

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



81.7678, 0.3564, 0.4440



81.7678, 0.2578, 0.3893



81.7678, 0.2612, 0.2342



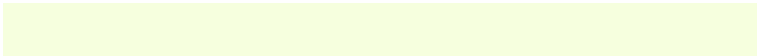
81.7678, 0.3638, 0.2773

Sweetspot

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



81.7714, 0.3564, 0.4440



96.3663, 0.3264, 0.3619



49.0204, 0.4127, 0.3601



20.5035, 0.3287, 0.3677



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.



81.7714, 0.3564, 0.4440



87.9525, 0.3634, 0.4671



75.0373, 0.3210, 0.4582



19.0724, 0.3226, 0.3527



40.3507, 0.3717, 0.5431



3.5972, 0.3779, 0.5382

Inverse Universe

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



33.3925, 0.2524, 0.2013



28.5752, 0.2368, 0.1722



40.3242, 0.2960, 0.2158



16.1460, 0.3022, 0.3048



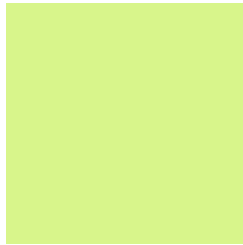
4.2534, 0.1670, 0.0694



0.4227, 0.1797, 0.0763

Previews

White Background



This preview shows how the Yxy color 81.7678, 0.3564, 0.4440 looks on a white background.

Color Contrast Check

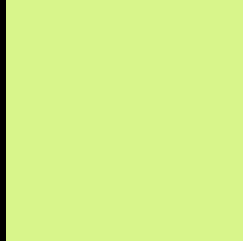
Large Text (above 18pt) WCAG AA × Fail

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 81.7678, 0.3564, 0.4440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

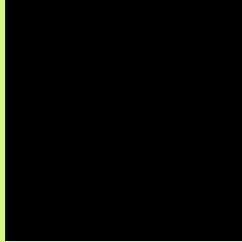
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7678, 0.3564, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 81.7678, 0.3564, 0.4440.

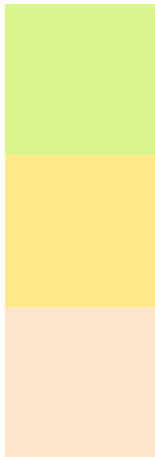


This preview shows how white text looks on a background with the Yxy color 81.7678, 0.3564, 0.4440.

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

81.7678, 0.3564, 0.4440

Protanopia

81.3440, 0.3908, 0.4244

Deuteranopia

81.5157, 0.3498, 0.3574



Tritanopia

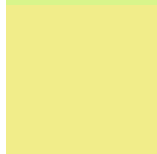
81.4383, 0.3003, 0.3106

Trichromacy



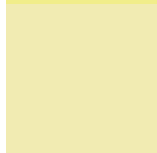
Original Color

81.7678, 0.3564, 0.4440



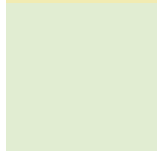
Protanomaly

81.1041, 0.3780, 0.4309



Deuteranomaly

81.3318, 0.3537, 0.3886



Tritanomaly

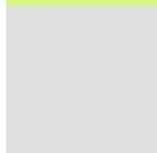
81.2291, 0.3214, 0.3578

Monochromacy



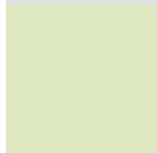
Original Color

81.7678, 0.3564, 0.4440



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.9356, 0.3301, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7678, 0.3564, 0.4440 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(216, 245, 139)` looks like.

```
.text, #text, p{  
    color:rgb(216, 245, 139)  
}
```

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(216, 245, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 245, 139) }
```

Border

The CSS property to change the border of an element to Yxy 81.7678, 0.3564, 0.4440 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(216, 245, 139) }
```

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

```
.border{ border-color:rgb(216, 245, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 245, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 245, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 245, 139);  
box-shadow:4px 4px 4px 4px rgb(216, 245,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7678, 0.3564, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 245, 139) }
```

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

```
.background{ background-color: rgb(216,  
245, 139) }
```

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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