

Converting Colors

$Yxy(80.7753, 0.3452, 0.4162)$

Have a look what the booklet for
Yxy(80.7753, 0.3452, 0.4162)
contains.

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Color

Yxy(81.0183, 0.3455, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	DAF2A2
RGB	218, 242, 162
RGB Percent	85%, 95%, 64%
CMY	0.1450, 0.0510, 0.3648
CMYK	0.10, 0.00, 0.33, 0.05
HSL	78°, 75%, 79%
HSV	78°, 33%, 95%
XYZ	67.1911, 81.0183, 46.2656
YIQ	225.7040, 11.3760, -29.9680

Conversions

Conversions Part 2

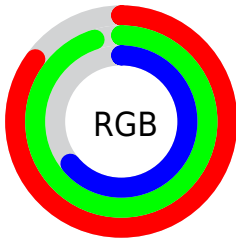
Format	Color
RYB	162, 242, 186
Decimal	14348962
CIELab	92.14, -20.71, 36.09
CIELCh	92, 41.609, 119.848
Yxy	81.0183, 0.3455, 0.4166
Android (android.graphics.Color)	4292539042 (0xFFDAF2A2)
YUV	225.7040, -31.4061, -6.7564
Hunter-Lab	90.0102, -24.2704, 32.5318

Details

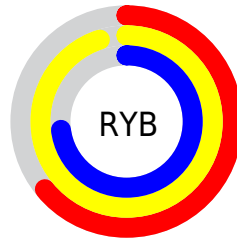
The Yxy color **81.0183, 0.3455, 0.4166** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.6745, 0.2710, 0.2351**, and the grayscale version is **76.0567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **43.9033, 0.3515, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **79.1491, 0.3543, 0.4442**, and if you desaturate by 10%, it is **83.1092, 0.3359, 0.3889**.

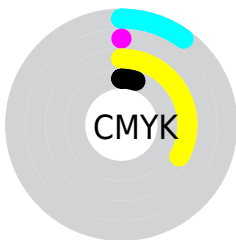
Distribution



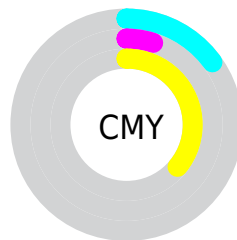
- Red (85%)
- Green (95%)
- Blue (64%)



- Red (64%)
- Yellow (95%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (33%)
- Black (5%)





- Cyan (15%)
- Magenta (5%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0183, 0.3455, 0.4166 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 81.0183, 0.3455, 0.4166 by changing the saturation by 10% instead.

 81.0183, 0.3455,
0.4166


 81.0183, 0.3455,
0.4166


498.3580, 0.3317,
0.3757

 60.5567, 0.3482,
0.4259


 134.7965, 0.3410,
0.4024

 43.8675, 0.3514,
0.4374

 168.8818, 0.3392,
0.3969

 30.5663, 0.3550,
0.4519


208.2771, 0.3376,
0.3921

 20.2689, 0.3591,
0.4705

253.3669, 0.3361,
0.3880

 12.5906, 0.3634,
0.4953

304.5355, 0.3349,
0.3843

 7.1473, 0.3669,
0.5291

362.1672, 0.3337,

 3.5544, 0.3787,

0.3811

426.6466, 0.3327,
0.3782

0.5968

1.4275, 0.3509,
0.6491

0.2369, 0.0000,
1.0000

81.0183, 0.3455,
0.4166

81.0183, 0.3455,
0.4166

79.1491, 0.3543,
0.4442

83.1092, 0.3359,
0.3889

77.4806, 0.3617,
0.4706


85.4203, 0.3258,
0.3620

76.0054, 0.3671,
0.4947

87.9641, 0.3158,
0.3365

74.7109, 0.3703,
0.5151

90.5032, 0.3082,
0.3163

 73.5828, 0.3709,
0.5310

 91.8471, 0.3128,
0.3165

 72.6041, 0.3690,
0.5420

 91.9845, 0.3133,
0.3165

 71.9957, 0.3665,
0.5472

Harmonies

Analogous

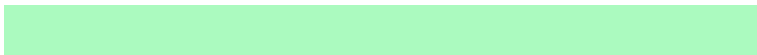
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0183, 0.3864, 0.4062



81.0183, 0.3455, 0.4166



81.0183, 0.2977, 0.3985

Triad

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



81.0183, 0.3455, 0.4166



81.0183, 0.2253, 0.2720



81.0183, 0.3701, 0.3013

Complementary

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



81.0183, 0.3455, 0.4166



42.6745, 0.2710, 0.2351

Split Complementary

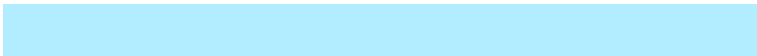
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0183, 0.3223, 0.2713



81.0183, 0.3455, 0.4166



81.0183, 0.2409, 0.2537

Square

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



81.0183, 0.3455, 0.4166



81.0183, 0.2304, 0.3087



81.0183, 0.2752, 0.2542



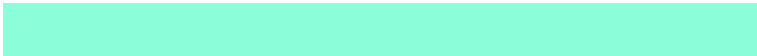
81.0183, 0.4025, 0.3386

Rectangle

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



81.0183, 0.3455, 0.4166



81.0183, 0.2685, 0.3722



81.0183, 0.2752, 0.2542



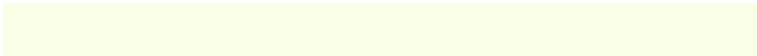
81.0183, 0.3551, 0.2902

Sweetspot

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



81.0219, 0.3455, 0.4166



97.0450, 0.3228, 0.3541



56.0357, 0.3818, 0.3541



20.6874, 0.3242, 0.3577



0.0000, 0.0000, 0.0000



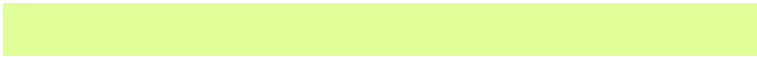
21.4041, 0.3127, 0.3290

Same Dimension

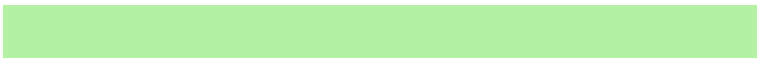
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0219, 0.3455, 0.4166



89.7384, 0.3518, 0.4361



75.7332, 0.3190, 0.4244



18.2076, 0.3222, 0.3527



38.7510, 0.3674, 0.5465



3.2752, 0.3744, 0.5409

Inverse Universe

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



42.6745, 0.2710, 0.2351



40.1379, 0.2598, 0.2124



48.1953, 0.3021, 0.2431



15.4582, 0.3026, 0.3049



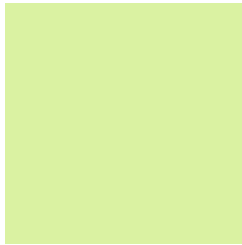
4.2561, 0.1702, 0.0711



0.4039, 0.1840, 0.0787

Previews

White Background



This preview shows how the Yxy color 81.0183, 0.3455, 0.4166 looks on a white background.

Color Contrast Check

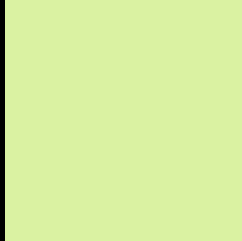
Large Text (above 18pt) WCAG AA × Fail

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 81.0183, 0.3455, 0.4166 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

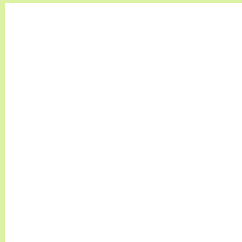
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0183, 0.3455, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 81.0183, 0.3455, 0.4166.

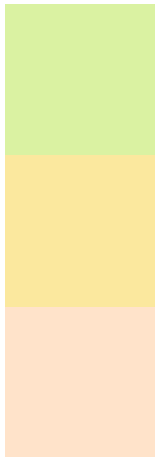


This preview shows how white text looks on a background with the Yxy color 81.0183, 0.3455, 0.4166.

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

81.0183, 0.3455, 0.4166

Protanopia

80.6911, 0.3750, 0.4045

Deuteranopia

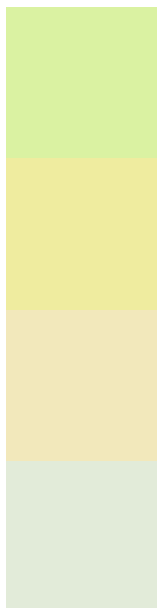
80.4624, 0.3496, 0.3544



Tritanopia

80.8144, 0.3009, 0.3106

Trichromacy



Original Color

81.0183, 0.3455, 0.4166

Protanomaly

80.8448, 0.3641, 0.4097

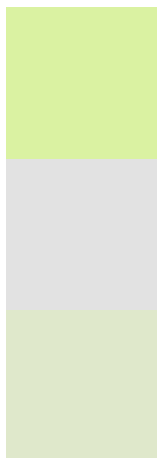
Deuteranomaly

80.1783, 0.3492, 0.3761

Tritanomaly

80.5952, 0.3179, 0.3481

Monochromacy



Original Color

81.0183, 0.3455, 0.4166

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.7130, 0.3250, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0183, 0.3455, 0.4166 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(218, 242, 162)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 162)  
}
```

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(218, 242, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 162) }
```

Border

The CSS property to change the border of an element to Yxy 81.0183, 0.3455, 0.4166 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(218, 242, 162) }
```

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

```
.border{ border-color:rgb(218, 242, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 242, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 162);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0183, 0.3455, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 162) }
```

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

```
.background{ background-color: rgb(218,  
242, 162) }
```

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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