

Converting Colors

$Yxy(89.4795, 0.3161, 0.3781)$

Have a look what the booklet for
Yxy(89.4795, 0.3161, 0.3781)
contains.

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Color

Yxy(89.3545, 0.3160, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	D8FDCF
RGB	216, 253, 207
RGB Percent	85%, 99%, 81%
CMY	0.1531, 0.0078, 0.1883
CMYK	0.15, 0.00, 0.18, 0.01
HSL	108°, 92%, 90%
HSV	108°, 18%, 99%
XYZ	74.6985, 89.3545, 72.3346
YIQ	236.6930, -7.2860, -22.1500

Conversions

Conversions Part 2

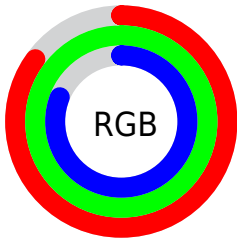
Format	Color
RYB	207, 253, 244
Decimal	14220751
CIELab	95.73, -20.17, 18.12
CIELCh	96, 27.116, 138.060
Yxy	89.3545, 0.3160, 0.3780
Android (android.graphics.Color)	4292410831 (0xFFD8FDCF)
YUV	236.6930, -14.6386, -18.1478
Hunter-Lab	94.5275, -24.3671, 20.7992

Details

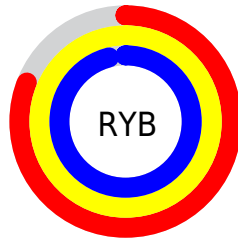
The Yxy color **89.3545, 0.3160, 0.3780** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9538, 0.3084, 0.2828**, and the grayscale version is **84.5563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3568, 0.3162, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **85.3067, 0.3174, 0.4090**, and if you desaturate by 10%, it is **93.9927, 0.3143, 0.3498**.

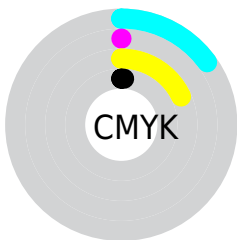
Distribution



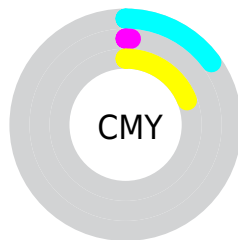
- Red (85%)
- Green (99%)
- Blue (81%)



- Red (81%)
- Yellow (99%)
- Blue (96%)



- Cyan (15%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)





- Cyan (15%)
- Magenta (1%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3545, 0.3160, 0.3780 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 89.3545, 0.3160, 0.3780 by changing the saturation by 10% instead.

 89.3545, 0.3160,
0.3780

 89.3545, 0.3160,
0.3780

525.9288, 0.3149,
0.3555

 67.4454, 0.3162,
0.3831


146.4414, 0.3157,
0.3702

 49.4467, 0.3163,
0.3894


182.3881, 0.3156,
0.3672

 34.9739, 0.3164,
0.3973


223.7827, 0.3154,
0.3646

 23.6428, 0.3165,
0.4076

271.0096, 0.3153,
0.3623

 15.0689, 0.3163,
0.4215

324.4533, 0.3152,
0.3603

 8.8677, 0.3156,
0.4413

384.4981, 0.3151,

 4.6550, 0.3136,

0.3585

0.4715

451.5285, 0.3150,
0.3569

■ 2.0463, 0.3106,
0.5274

■ 0.6342, 0.1482,
0.8518

■ 89.3545, 0.3160,
0.3780

■ 89.3545, 0.3160,
0.3780

■ 85.3067, 0.3174,
0.4090

■ 93.9927, 0.3143,
0.3498

■ 81.8145, 0.3183,
0.4422

■ 98.7396, 0.3128,
0.3271

■ 78.8564, 0.3185,
0.4764

■ 76.4057, 0.3179,
0.5099

■ 74.4327, 0.3162,
0.5404

■ 72.9049, 0.3135,
0.5656

■ 71.7851, 0.3101,
0.5837

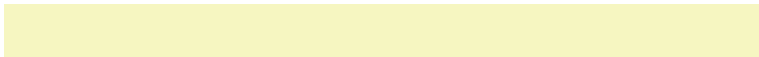
■ 71.0276, 0.3063,
0.5941

■ 70.9214, 0.3057,
0.5955

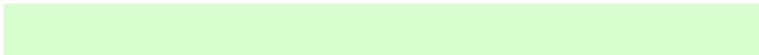
Harmonies

Analogous

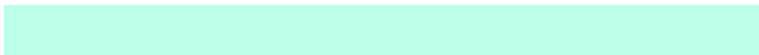
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3545, 0.3455, 0.3833



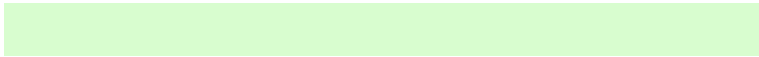
89.3545, 0.3160, 0.3780



89.3545, 0.2866, 0.3574

Triad

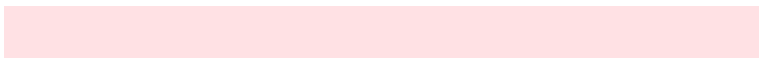
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3545, 0.3160, 0.3780



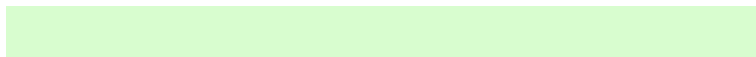
89.3545, 0.2606, 0.2840



89.3545, 0.3628, 0.3264

Complementary

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



89.3545, 0.3160, 0.3780



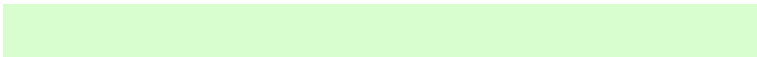
70.9538, 0.3084, 0.2828

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.



89.3545, 0.3380, 0.3027



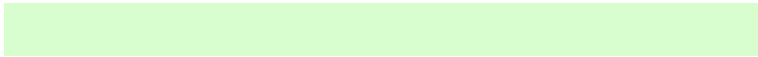
89.3545, 0.3160, 0.3780



89.3545, 0.2790, 0.2787

Square

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



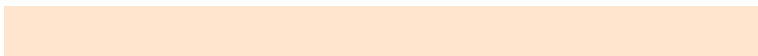
89.3545, 0.3160, 0.3780



89.3545, 0.2555, 0.3017



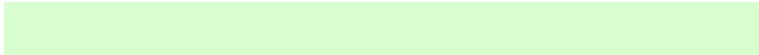
89.3545, 0.3071, 0.2856



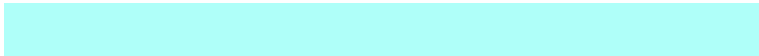
89.3545, 0.3735, 0.3517

Rectangle

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



89.3545, 0.3160, 0.3780



89.3545, 0.2708, 0.3384



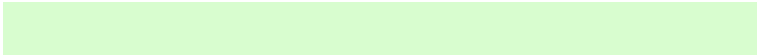
89.3545, 0.3071, 0.2856



89.3545, 0.3557, 0.3181

Sweetspot

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



89.3583, 0.3160, 0.3780



97.3111, 0.3137, 0.3415



89.9768, 0.3417, 0.3657



20.7504, 0.3138, 0.3433



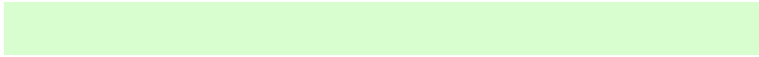
0.0000, 0.0000, 0.0000



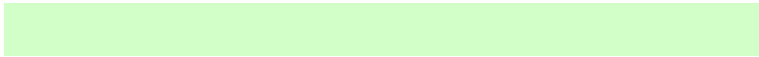
21.4041, 0.3127, 0.3290

Same Dimension

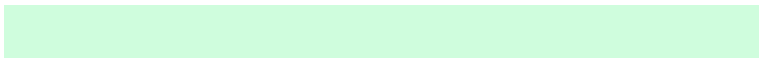
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3583, 0.3160, 0.3780



89.3175, 0.3166, 0.3895



88.7334, 0.3027, 0.3635



20.3386, 0.3145, 0.3534



37.7697, 0.3065, 0.5949



3.7200, 0.3133, 0.5895

Inverse Universe

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



70.9538, 0.3084, 0.2828



67.2641, 0.3072, 0.2727



71.7510, 0.3245, 0.2968



18.1108, 0.3107, 0.3054



10.6371, 0.2719, 0.1271



1.0793, 0.2777, 0.1304

Previews

White Background



This preview shows how the Yxy color 89.3545, 0.3160, 0.3780 looks on a white background.

Color Contrast Check

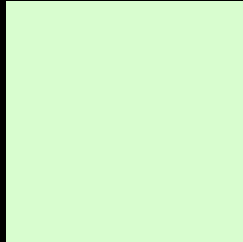
Large Text (above 18pt) WCAG AA × Fail

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 89.3545, 0.3160, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

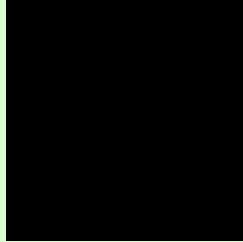
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

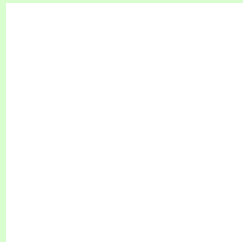
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3545, 0.3160, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 89.3545, 0.3160, 0.3780.

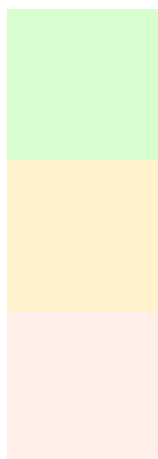


This preview shows how white text looks on a background with the Yxy color 89.3545, 0.3160, 0.3780.

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

89.3545, 0.3160, 0.3780

Protanopia

89.1239, 0.3453, 0.3669

Deuteranopia

88.8192, 0.3278, 0.3359



Tritanopia

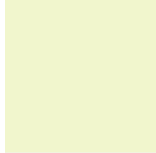
89.2450, 0.2993, 0.3180

Trichromacy



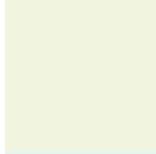
Original Color

89.3545, 0.3160, 0.3780



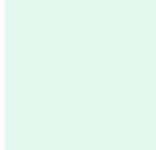
Protanomaly

89.0201, 0.3344, 0.3709



Deuteranomaly

88.7299, 0.3235, 0.3503



Tritanomaly

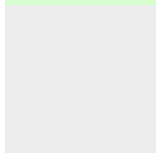
89.0255, 0.3053, 0.3382

Monochromacy



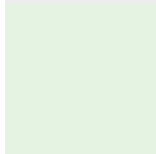
Original Color

89.3545, 0.3160, 0.3780



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.2502, 0.3138, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3545, 0.3160, 0.3780 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, 253, 207)` looks like.

```
.text, #text, p{  
    color:rgb(216, 253, 207)  
}
```

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, 253, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 253, 207) }
```

Border

The CSS property to change the border of an element to Yxy 89.3545, 0.3160, 0.3780 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, 253, 207) }
```

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

```
.border{ border-color:rgb(216, 253, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 253, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 253, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 253, 207);  
box-shadow:4px 4px 4px 4px rgb(216, 253,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3545, 0.3160, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 253, 207) }
```

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

```
.background{ background-color: rgb(216,  
253, 207) }
```

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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