

Converting Colors

$Y_{xy}(135.0657, 0.3102, 0.4307)$

Have a look what the booklet for
Yxy(135.0657, 0.3102, 0.4307)
contains.

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Color

Yxy(90.4196, 0.3135, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	D6FFD1
RGB	214, 255, 209
RGB Percent	84%, 100%, 82%
CMY	0.1606, 0.0000, 0.1803
CMYK	0.16, 0.00, 0.18, 0.00
HSL	113°, 100%, 91%
HSV	113°, 18%, 100%
XYZ	75.0107, 90.4196, 73.8383
YIQ	237.4970, -9.6700, -22.9980

Conversions

Conversions Part 2

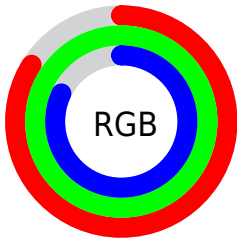
Format	Color
RYB	209, 255, 250
Decimal	14090193
CIELab	96.17, -21.43, 17.68
CIELCh	96, 27.788, 140.475
Yxy	90.4196, 0.3135, 0.3779
Android (android.graphics.Color)	4292280273 (0xFFD6FFD1)
YUV	237.4970, -14.0490, -20.6069
Hunter-Lab	95.0892, -25.5972, 20.5228

Details

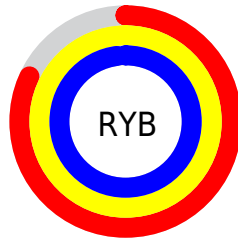
The Yxy color **90.4196, 0.3135, 0.3779** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1563, 0.3112, 0.2836**, and the grayscale version is **85.2158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0922, 0.3137, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **86.0752, 0.3136, 0.4094**, and if you desaturate by 10%, it is **95.4507, 0.3131, 0.3495**.

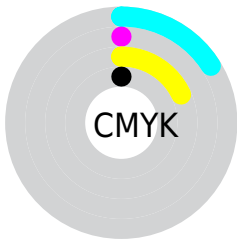
Distribution



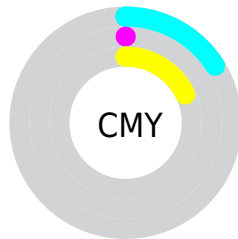
- Red (84%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4196, 0.3135, 0.3779 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 90.4196, 0.3135, 0.3779 by changing the saturation by 10% instead.


 90.4196, 0.3135,
0.3779

 90.4196, 0.3135,
0.3779

529.3948, 0.3135,
0.3554

 68.3287, 0.3134,
0.3830


147.9211, 0.3136,
0.3701

 50.1652, 0.3133,
0.3892


184.1005, 0.3136,
0.3671

 35.5447, 0.3130,
0.3971


225.7449, 0.3136,
0.3645

 24.0828, 0.3126,
0.4074

273.2386, 0.3136,
0.3622

 15.3950, 0.3118,
0.4212

326.9660, 0.3136,
0.3602

 9.0971, 0.3103,
0.4408

387.3116, 0.3135,

 4.8046, 0.3071,

0.3584

0.4708

454.6598, 0.3135,
0.3569

■ 2.1331, 0.3009,
0.5240

■ 0.6831, 0.1558,
0.8442

■ 90.4196, 0.3135,
0.3779

■ 90.4196, 0.3135,
0.3779

■ 86.0752, 0.3136,
0.4094

■ 95.4507, 0.3131,
0.3495

■ 82.3768, 0.3133,
0.4434

99.9968, 0.3127,
0.3290

■ 79.2968, 0.3126,
0.4786

■ 76.8013, 0.3113,
0.5131

■ 74.8529, 0.3095,
0.5443

■ 73.4102, 0.3073,
0.5698

■ 72.4252, 0.3048,
0.5876

■ 71.8392, 0.3024,
0.5971

■ 71.7606, 0.3021,
0.5983

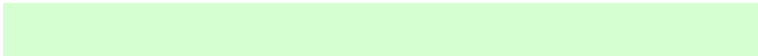
Harmonies

Analogous

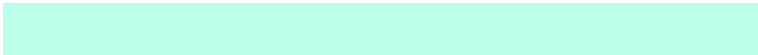
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4196, 0.3440, 0.3846



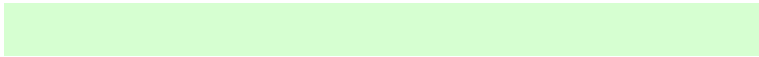
90.4196, 0.3135, 0.3779



90.4196, 0.2838, 0.3558

Triad

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



90.4196, 0.3135, 0.3779



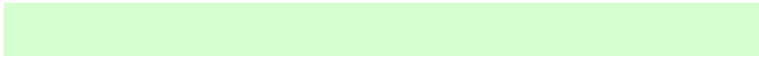
90.4196, 0.2606, 0.2822



90.4196, 0.3653, 0.3284

Complementary

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



90.4196, 0.3135, 0.3779



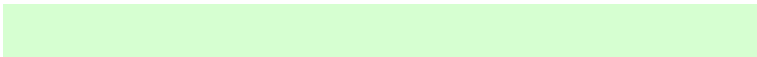
73.1563, 0.3112, 0.2836

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.



90.4196, 0.3409, 0.3040



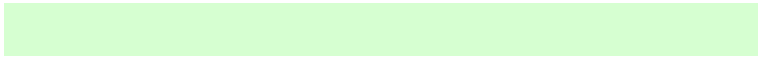
90.4196, 0.3135, 0.3779



90.4196, 0.2803, 0.2778

Square

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



90.4196, 0.3135, 0.3779



90.4196, 0.2543, 0.2992



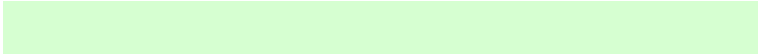
90.4196, 0.3095, 0.2859



90.4196, 0.3749, 0.3541

Rectangle

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



90.4196, 0.3135, 0.3779



90.4196, 0.2684, 0.3362



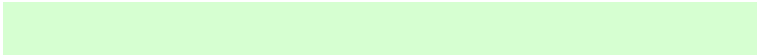
90.4196, 0.3095, 0.2859



90.4196, 0.3585, 0.3198

Sweetspot

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



90.4235, 0.3135, 0.3779



97.1145, 0.3130, 0.3415



94.0068, 0.3408, 0.3690



20.7028, 0.3130, 0.3433



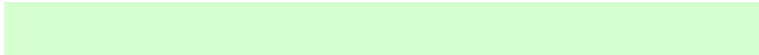
0.0000, 0.0000, 0.0000



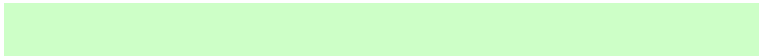
21.4041, 0.3127, 0.3290

Same Dimension

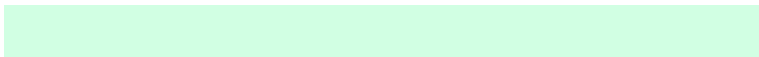
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4235, 0.3135, 0.3779



88.6198, 0.3136, 0.3901



90.6030, 0.3006, 0.3590



20.2628, 0.3132, 0.3535



37.5284, 0.3026, 0.5979



3.6835, 0.3075, 0.5941

Inverse Universe

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



73.1563, 0.3112, 0.2836



68.1399, 0.3108, 0.2733



73.0105, 0.3271, 0.3008



18.1939, 0.3120, 0.3055



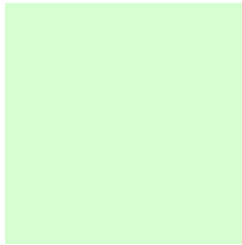
12.3645, 0.2935, 0.1391



1.2314, 0.2968, 0.1409

Previews

White Background



This preview shows how the Yxy color 90.4196, 0.3135, 0.3779 looks on a white background.

Color Contrast Check

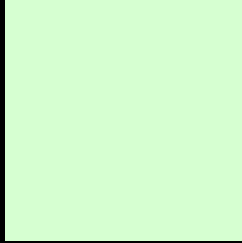
Large Text (above 18pt) WCAG AA × Fail

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 90.4196, 0.3135, 0.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

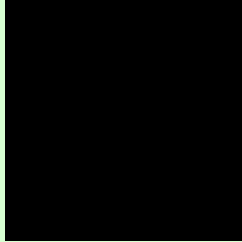
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

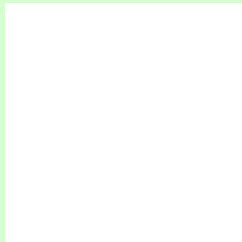
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4196, 0.3135, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 90.4196, 0.3135, 0.3779.

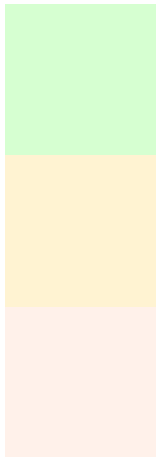


This preview shows how white text looks on a background with the Yxy color 90.4196, 0.3135, 0.3779.

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

90.4196, 0.3135, 0.3779

Protanopia

90.0143, 0.3413, 0.3618

Deuteranopia

90.1111, 0.3263, 0.3359



Tritanopia

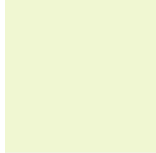
90.0172, 0.2999, 0.3190

Trichromacy



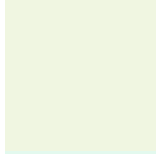
Original Color

90.4196, 0.3135, 0.3779



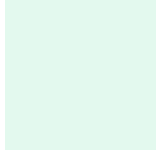
Protanomaly

89.6999, 0.3305, 0.3668



Deuteranomaly

89.8730, 0.3215, 0.3503



Tritanomaly

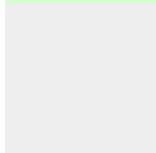
90.2553, 0.3053, 0.3402

Monochromacy



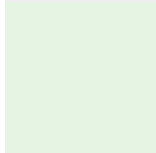
Original Color

90.4196, 0.3135, 0.3779



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.9054, 0.3132, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4196, 0.3135, 0.3779 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(214, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 209)  
}
```

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(214, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 90.4196, 0.3135, 0.3779 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(214, 255, 209) }
```

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

```
.border{ border-color:rgb(214, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4196, 0.3135, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 209) }
```

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

```
.background{ background-color: rgb(214,  
255, 209) }
```

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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