

Converting Colors

$Y_{xy}(111.9545, 0.3128, 0.4086)$

Have a look what the booklet for
Yxy(111.9545, 0.3128, 0.4086)
contains.

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Color

Yxy(90.3211, 0.3146, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	D6FFCF
RGB	214, 255, 207
RGB Percent	84%, 100%, 81%
CMY	0.1608, 0.0000, 0.1881
CMYK	0.16, 0.00, 0.19, 0.00
HSL	111°, 100%, 91%
HSV	111°, 19%, 100%
XYZ	74.7567, 90.3211, 72.5468
YIQ	237.2690, -9.0280, -23.6200

Conversions

Conversions Part 2

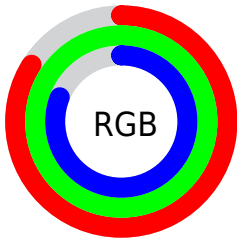
Format	Color
R _Y B	207, 255, 248
Decimal	14090191
CIE Lab	96.13, -21.78, 18.64
CIE LCh	96, 28.671, 139.435
Yxy	90.3211, 0.3146, 0.3801
Android (android.graphics.Color)	4292280271 (0xFFD6FFCF)
YUV	237.2690, -14.9226, -20.4069
Hunter-Lab	95.0374, -25.9069, 21.2672

Details

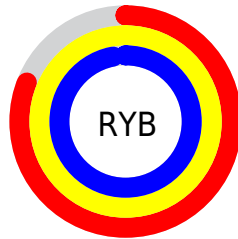
The Yxy color **90.3211, 0.3146, 0.3801** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.8264, 0.3099, 0.2814**, and the grayscale version is **85.0306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0590, 0.3144, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **86.1108, 0.3152, 0.4116**, and if you desaturate by 10%, it is **95.1748, 0.3137, 0.3515**.

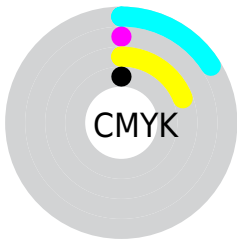
Distribution



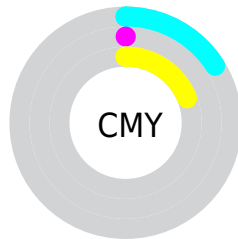
- Red (84%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (97%)



- Cyan (16%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3211, 0.3146, 0.3801 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 90.3211, 0.3146, 0.3801 by changing the saturation by 10% instead.

 90.3211, 0.3146,
0.3801

 90.3211, 0.3146,
0.3801


529.0748, 0.3142,
0.3566

 68.2470, 0.3146,
0.3854


147.7843, 0.3145,
0.3720

 50.0987, 0.3146,
0.3920


183.9423, 0.3145,
0.3688

 35.4918, 0.3144,
0.4002


225.5636, 0.3144,
0.3661

 24.0420, 0.3141,
0.4110

273.0327, 0.3144,
0.3637

 15.3648, 0.3135,
0.4255

326.7339, 0.3143,
0.3616

 9.0758, 0.3122,
0.4460

387.0518, 0.3143,

 4.7906, 0.3092,

0.3598

0.4773

454.3706, 0.3142,
0.3581

■ 2.1250, 0.3041,
0.5346

■ 0.6786, 0.1431,
0.8569

■ 90.3211, 0.3146,
0.3801

■ 90.3211, 0.3146,
0.3801

■ 86.1108, 0.3152,
0.4116

■ 95.1748, 0.3137,
0.3515

■ 82.5124, 0.3154,
0.4454

100.0000, 0.3127,
0.3290

■ 79.4984, 0.3150,
0.4802

■ 77.0377, 0.3139,
0.5141

■ 75.0960, 0.3121,
0.5448

■ 73.6351, 0.3096,
0.5697

■ 72.6116, 0.3066,
0.5871

■ 71.9700, 0.3036,
0.5965

■ 71.9136, 0.3034,
0.5973

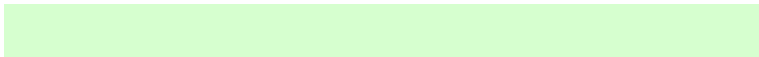
Harmonies

Analogous

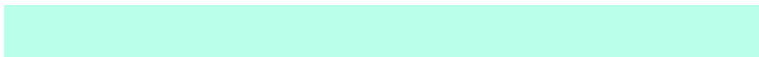
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3211, 0.3459, 0.3864



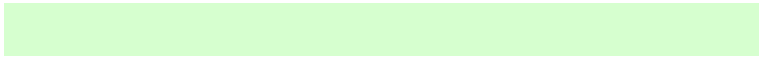
90.3211, 0.3146, 0.3801



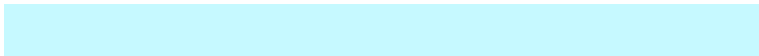
90.3211, 0.2839, 0.3576

Triad

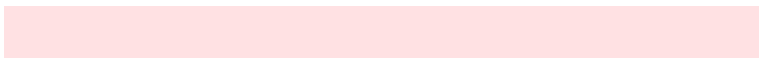
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3211, 0.3146, 0.3801



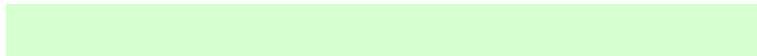
90.3211, 0.2585, 0.2811



90.3211, 0.3664, 0.3274

Complementary

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



90.3211, 0.3146, 0.3801



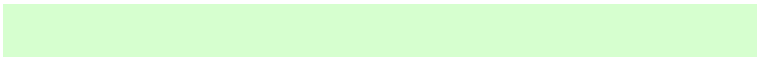
71.8264, 0.3099, 0.2814

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.



90.3211, 0.3407, 0.3024



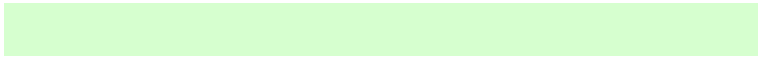
90.3211, 0.3146, 0.3801



90.3211, 0.2784, 0.2762

Square

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



90.3211, 0.3146, 0.3801



90.3211, 0.2526, 0.2990



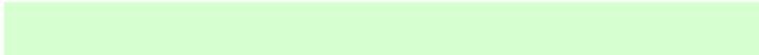
90.3211, 0.3082, 0.2841



90.3211, 0.3768, 0.3539

Rectangle

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



90.3211, 0.3146, 0.3801



90.3211, 0.2677, 0.3375



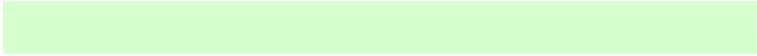
90.3211, 0.3082, 0.2841



90.3211, 0.3592, 0.3186

Sweetspot

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



90.3226, 0.3146, 0.3801



96.6567, 0.3134, 0.3441



92.7819, 0.3424, 0.3693



20.6138, 0.3135, 0.3458



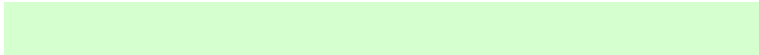
0.0000, 0.0000, 0.0000



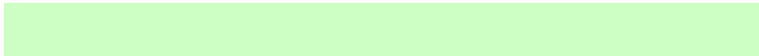
21.4041, 0.3127, 0.3290

Same Dimension

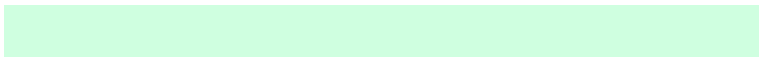
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3226, 0.3146, 0.3801



88.4812, 0.3149, 0.3930



90.1628, 0.3010, 0.3622



20.2946, 0.3138, 0.3534



37.6143, 0.3040, 0.5968



3.6984, 0.3099, 0.5922

Inverse Universe

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



71.8264, 0.3099, 0.2814



66.5389, 0.3091, 0.2705



72.0886, 0.3267, 0.2980



18.1589, 0.3115, 0.3054



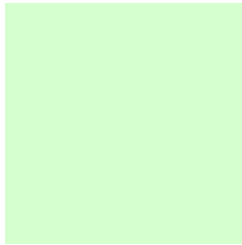
11.6108, 0.2844, 0.1340



1.1654, 0.2888, 0.1365

Previews

White Background



This preview shows how the Yxy color 90.3211, 0.3146, 0.3801 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 90.3211, 0.3146, 0.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

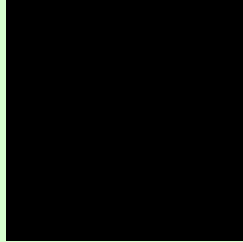
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

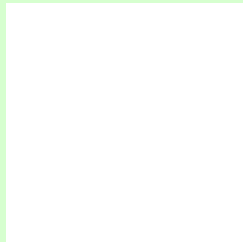
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3211, 0.3146, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 90.3211, 0.3146, 0.3801.

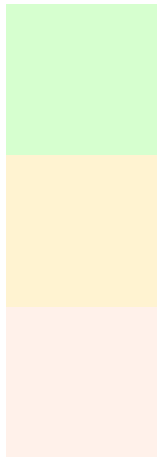


This preview shows how white text looks on a background with the Yxy color 90.3211, 0.3146, 0.3801.

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

90.3211, 0.3146, 0.3801

Protanopia

89.9646, 0.3420, 0.3628

Deuteranopia

90.1111, 0.3263, 0.3359



Tritanopia

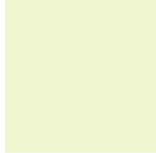
90.0172, 0.2999, 0.3190

Trichromacy



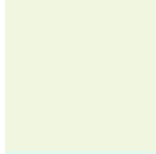
Original Color

90.3211, 0.3146, 0.3801



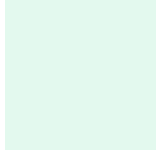
Protanomaly

89.6009, 0.3317, 0.3689



Deuteranomaly

89.8186, 0.3221, 0.3513



Tritanomaly

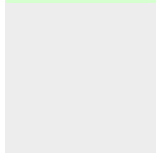
90.2553, 0.3053, 0.3402

Monochromacy



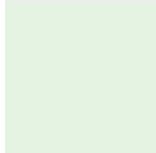
Original Color

90.3211, 0.3146, 0.3801



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.8504, 0.3138, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3211, 0.3146, 0.3801 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 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(214, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 90.3211, 0.3146, 0.3801 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, 207) }
```

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

```
.border{ border-color:rgb(214, 255, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3211, 0.3146, 0.3801 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, 207) }
```

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

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