

Converting Colors

$Yxy(90.3049, 0.3188, 0.3861)$

Have a look what the booklet for
Yxy(90.3049, 0.3188, 0.3861)
contains.

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Color

Yxy(90.3360, 0.3193, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFC9
RGB	216, 255, 201
RGB Percent	85%, 100%, 79%
CMY	0.1528, 0.0000, 0.2117
CMYK	0.15, 0.00, 0.21, 0.00
HSL	103°, 100%, 89%
HSV	103°, 21%, 100%
XYZ	74.6295, 90.3360, 68.7629
YIQ	237.1830, -5.9100, -25.0620

Conversions

Conversions Part 2

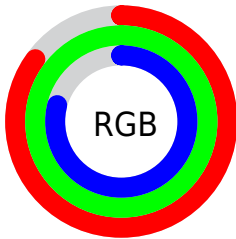
Format	Color
R_{YB}	201, 255, 240
Decimal	14221257
CIE Lab	96.14, -22.07, 21.75
CIE LCh	96, 30.983, 135.421
Yxy	90.3360, 0.3193, 0.3865
Android (android.graphics.Color)	4292411337 (0xFFD8FFC9)
YUV	237.1830, -17.8382, -18.5775
Hunter-Lab	95.0453, -26.1711, 23.6368

Details

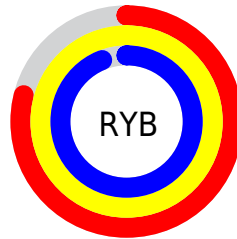
The Yxy color **90.3360, 0.3193, 0.3865** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.5143, 0.3042, 0.2744**, and the grayscale version is **84.9870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0718, 0.3203, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **86.5895, 0.3219, 0.4176**, and if you desaturate by 10%, it is **94.6033, 0.3163, 0.3578**.

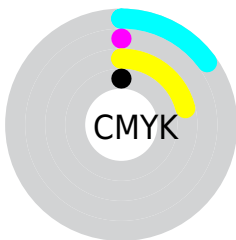
Distribution



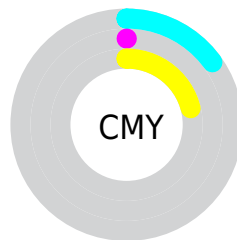
- Red (85%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (94%)



- Cyan (15%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3360, 0.3193, 0.3865 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 90.3360, 0.3193, 0.3865 by changing the saturation by 10% instead.

 90.3360, 0.3193,
0.3865

 90.3360, 0.3193,
0.3865


529.1232, 0.3169,
0.3600

 68.2594, 0.3197,
0.3925

147.8050, 0.3186,
0.3774

 50.1088, 0.3202,
0.3999


183.9662, 0.3182,
0.3738

 35.4998, 0.3206,
0.4092


225.5910, 0.3180,
0.3707

 24.0481, 0.3210,
0.4213

273.0638, 0.3177,
0.3680

 15.3693, 0.3213,
0.4375

326.7691, 0.3175,
0.3657

 9.0790, 0.3210,
0.4605

387.0911, 0.3172,

 4.7928, 0.3192,

0.3636

0.4953

454.4144, 0.3170,
0.3617

■ 2.1262, 0.3201,
0.5668

■ 0.6793, 0.1360,
0.8640

■ 90.3360, 0.3193,
0.3865

■ 90.3360, 0.3193,
0.3865

■ 86.5895, 0.3219,
0.4176

■ 94.6033, 0.3163,
0.3578

■ 83.3321, 0.3238,
0.4504

■ 99.3988, 0.3131,
0.3319

■ 80.5462, 0.3247,
0.4835

■ 99.9982, 0.3127,
0.3290

■ 78.2084, 0.3245,
0.5154

■ 76.2936, 0.3228,
0.5437

■ 74.7734, 0.3197,
0.5666

■ 73.6156, 0.3154,
0.5825

■ 72.8575, 0.3112,
0.5911

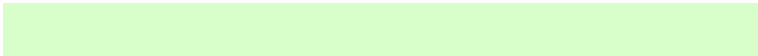
Harmonies

Analogous

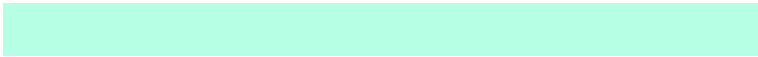
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3360, 0.3525, 0.3905



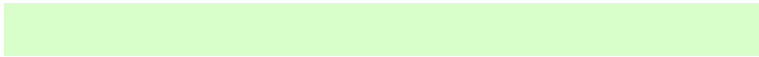
90.3360, 0.3193, 0.3865



90.3360, 0.2856, 0.3641

Triad

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



90.3360, 0.3193, 0.3865



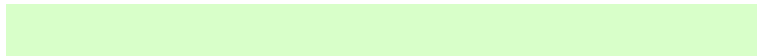
90.3360, 0.2526, 0.2791



90.3360, 0.3678, 0.3233

Complementary

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



90.3360, 0.3193, 0.3865



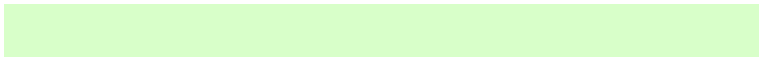
67.5143, 0.3042, 0.2744

Split Complementary

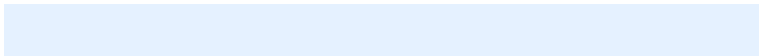
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3360, 0.3384, 0.2972



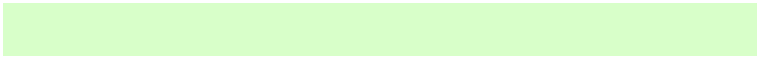
90.3360, 0.3193, 0.3865



90.3360, 0.2721, 0.2721

Square

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



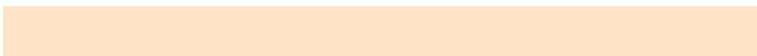
90.3360, 0.3193, 0.3865



90.3360, 0.2483, 0.3000



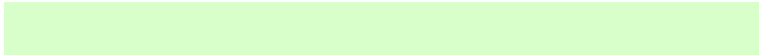
90.3360, 0.3031, 0.2789



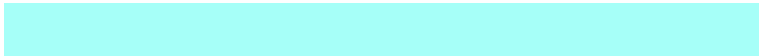
90.3360, 0.3817, 0.3519

Rectangle

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



90.3360, 0.3193, 0.3865



90.3360, 0.2672, 0.3426



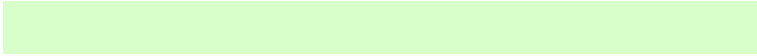
90.3360, 0.3031, 0.2789



90.3360, 0.3593, 0.3140

Sweetspot

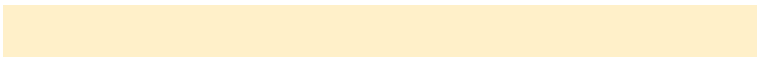
The Sweet Spot groups the original color and five complimentary colors.



90.3399, 0.3193, 0.3865



97.0193, 0.3147, 0.3440



87.6199, 0.3477, 0.3677



20.6992, 0.3149, 0.3457



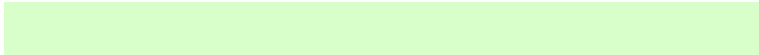
0.0000, 0.0000, 0.0000



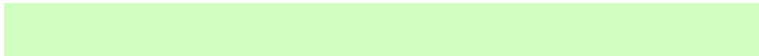
21.4041, 0.3127, 0.3290

Same Dimension

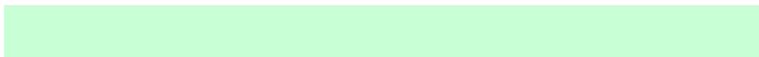
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3399, 0.3193, 0.3865



88.8477, 0.3203, 0.3982



88.7253, 0.3035, 0.3749



20.4128, 0.3158, 0.3533



38.1343, 0.3122, 0.5903



3.7648, 0.3202, 0.5840

Inverse Universe

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



67.5143, 0.3042, 0.2744



62.6386, 0.3023, 0.2640



69.5239, 0.3235, 0.2871



18.0313, 0.3093, 0.3053



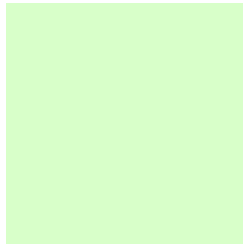
9.1763, 0.2513, 0.1158



0.9482, 0.2595, 0.1203

Previews

White Background



This preview shows how the Yxy color 90.3360, 0.3193, 0.3865 looks on a white background.

Color Contrast Check

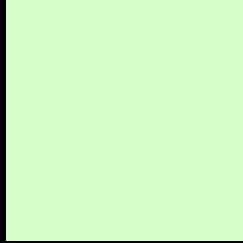
Large Text (above 18pt) WCAG AA × Fail

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 90.3360, 0.3193, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

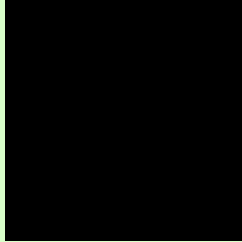
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

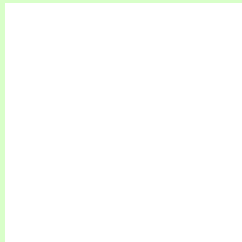
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3360, 0.3193, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 90.3360, 0.3193, 0.3865.

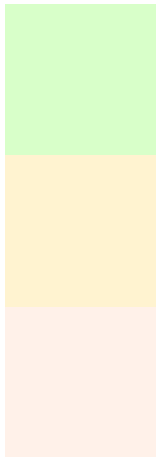


This preview shows how white text looks on a background with the Yxy color 90.3360, 0.3193, 0.3865.

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

90.3360, 0.3193, 0.3865

Protanopia

89.9153, 0.3426, 0.3638

Deuteranopia

90.0538, 0.3270, 0.3369



Tritanopia

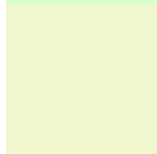
90.1870, 0.3006, 0.3190

Trichromacy



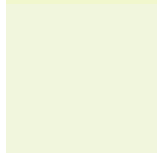
Original Color

90.3360, 0.3193, 0.3865



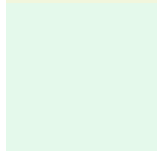
Protanomaly

89.6301, 0.3343, 0.3719



Deuteranomaly

89.8328, 0.3246, 0.3543



Tritanomaly

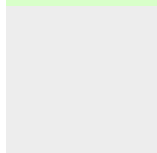
90.2435, 0.3076, 0.3433

Monochromacy



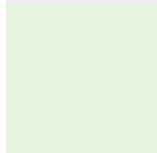
Original Color

90.3360, 0.3193, 0.3865



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7412, 0.3150, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3360, 0.3193, 0.3865 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, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 201)  
}
```

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, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 90.3360, 0.3193, 0.3865 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, 255, 201) }
```

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

```
.border{ border-color:rgb(216, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(216, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3360, 0.3193, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 201) }
```

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

```
.background{ background-color: rgb(216,  
255, 201) }
```

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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