

# Converting Colors

$Y_{xy}(165.0858, 0.3216, 0.4718)$

Have a look what the booklet for  
Yxy(165.0858, 0.3216, 0.4718)  
contains.

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# Color

**Yxy(90.9125, 0.3330, 0.4017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0FFBA
RGB	224, 255, 186
RGB Percent	88%, 100%, 73%
CMY	0.1216, 0.0000, 0.2705
CMYK	0.12, 0.00, 0.27, 0.00
HSL	87°, 100%, 86%
HSV	87°, 27%, 100%
XYZ	75.3644, 90.9125, 60.0425
YIQ	237.8650, 3.6730, -28.0310

# Conversions

## Conversions Part 2

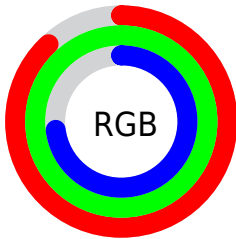
Format	Color
<a href="#">RYB</a>	<a href="#">186, 255, 217</a>
Decimal	<a href="#">14745530</a>
CIELab	<a href="#">96.37, -21.59, 29.74</a>
CIELCh	<a href="#">96, 36.749, 125.972</a>
Yxy	<a href="#">90.9125, 0.3330, 0.4017</a>
Android (android.graphics.Color)	<a href="#">4292935610</a> ( <a href="#">0xFFE0FFBA</a> )
YUV	<a href="#">237.8650, -25.5694, -12.1596</a>
Hunter-Lab	<a href="#">95.3480, -25.7703, 29.4076</a>

# Details

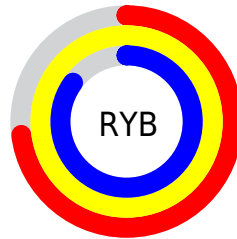
The Yxy color **90.9125, 0.3330, 0.4017** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.1042, 0.2873, 0.2554**, and the grayscale version is **85.5902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **50.3789, 0.3367, 0.4188** is the 20% darker color. If you saturate the color by 10%, you get **88.1531, 0.3397, 0.4311**, and if you desaturate by 10%, it is **93.9898, 0.3257, 0.3733**.

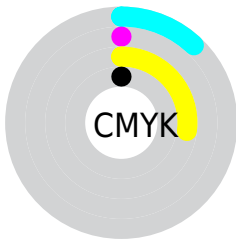
# Distribution



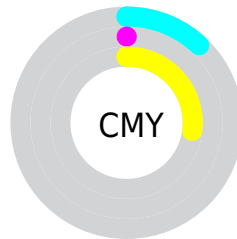
- Red (88%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (85%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9125, 0.3330, 0.4017 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 90.9125, 0.3330, 0.4017 by changing the saturation by 10% instead.



 90.9125, 0.3330,  
0.4017

 90.9125, 0.3330,  
0.4017


530.9947, 0.3247,  
0.3683

 68.7377, 0.3346,  
0.4092


 148.6052, 0.3303,  
0.3902

 50.4981, 0.3365,  
0.4184

184.8920, 0.3293,  
0.3857

 35.8094, 0.3386,  
0.4300


226.6515, 0.3283,  
0.3818

 24.2870, 0.3410,  
0.4449

274.2682, 0.3274,  
0.3784

 15.5467, 0.3436,  
0.4648

328.1265, 0.3266,  
0.3754

 9.2039, 0.3461,  
0.4923

388.6108, 0.3259,

 4.8744, 0.3469,

0.3728

0.5323

456.1054, 0.3253,  
0.3704

■ 2.1738, 0.3647,  
0.6353

■ 0.7056, 0.1692,  
0.8308

■ 90.9125, 0.3330,  
0.4017

■ 90.9125, 0.3330,  
0.4017

■ 88.1531, 0.3397,  
0.4311

■ 93.9898, 0.3257,  
0.3733


■ 85.6976, 0.3453,  
0.4607


■ 97.3955, 0.3181,  
0.3466


■ 83.5326, 0.3494,  
0.4890

100.0000, 0.3127,  
0.3290

■ 81.6431, 0.3515,  
0.5147

 80.0123, 0.3513,  
0.5364

 78.6208, 0.3487,  
0.5528

 77.4445, 0.3440,  
0.5637

 77.1286, 0.3424,  
0.5663

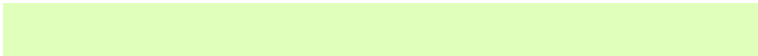
# Harmonies

## Analogous

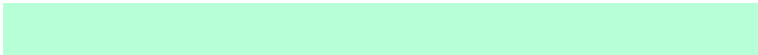
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9125, 0.3698, 0.3985



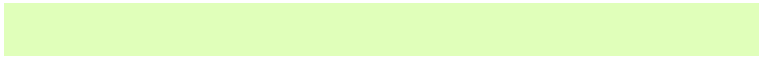
90.9125, 0.3330, 0.4017



90.9125, 0.2923, 0.3814

# Triad

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



90.9125, 0.3330, 0.4017



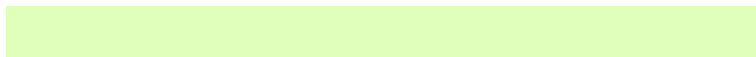
90.9125, 0.2387, 0.2760



90.9125, 0.3685, 0.3117

# Complementary

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



90.9125, 0.3330, 0.4017



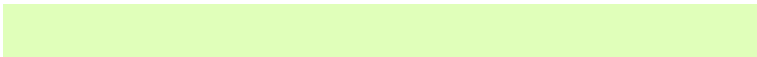
57.1042, 0.2873, 0.2554

# Split Complementary

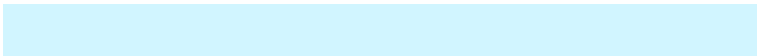
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9125, 0.3298, 0.2838



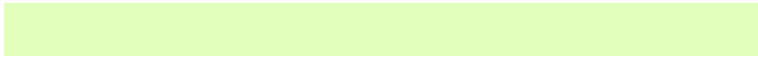
90.9125, 0.3330, 0.4017



90.9125, 0.2560, 0.2630

# Square

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



90.9125, 0.3330, 0.4017



90.9125, 0.2396, 0.3048



90.9125, 0.2885, 0.2664

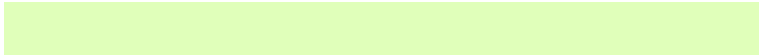


90.9125, 0.3918, 0.3448

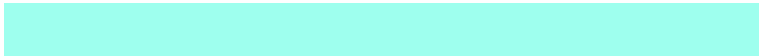


# Rectangle

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



90.9125, 0.3330, 0.4017



90.9125, 0.2684, 0.3576



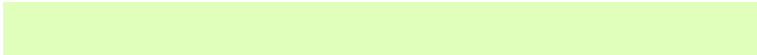
90.9125, 0.2885, 0.2664



90.9125, 0.3568, 0.3016

# Sweetspot

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



90.9130, 0.3330, 0.4017



97.0573, 0.3188, 0.3491



73.8739, 0.3636, 0.3598



20.6610, 0.3199, 0.3530



0.0000, 0.0000, 0.0000

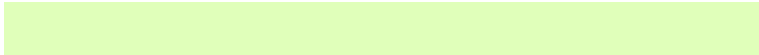


21.4041, 0.3127, 0.3290

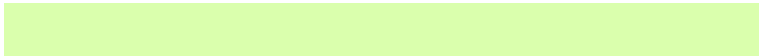


# Same Dimension

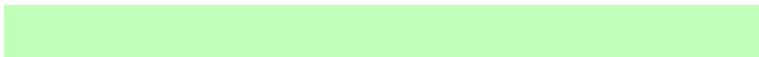
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9130, 0.3330, 0.4017



89.5078, 0.3364, 0.4162



86.0938, 0.3118, 0.4066



20.6610, 0.3199, 0.3530



40.3913, 0.3436, 0.5654



3.9977, 0.3517, 0.5589



# Inverse Universe

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



57.1042, 0.2873, 0.2554



50.9739, 0.2815, 0.2405



62.7465, 0.3124, 0.2607



17.7774, 0.3049, 0.3049



5.7493, 0.1927, 0.0835

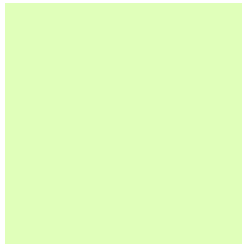


0.6235, 0.2052, 0.0904



# Previews

## White Background



This preview shows how the Yxy color 90.9125, 0.3330, 0.4017 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 90.9125, 0.3330, 0.4017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

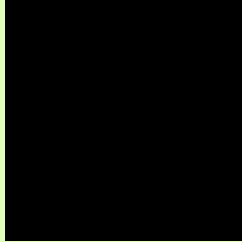
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

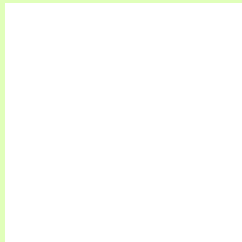
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.9125, 0.3330, 0.4017**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.9125, 0.3330, 0.4017.

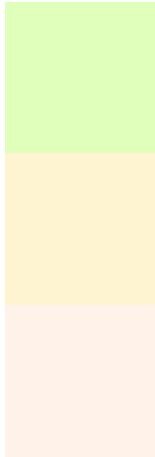


This preview shows how white text looks on a background with the Yxy color 90.9125, 0.3330, 0.4017.

# 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**

90.9125, 0.3330, 0.4017

**Protanopia**

90.5648, 0.3418, 0.3637

**Deuteranopia**

90.6475, 0.3269, 0.3378



## Tritanopia

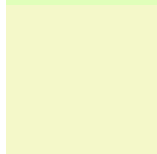
91.0501, 0.3037, 0.3191

# Trichromacy



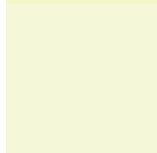
## Original Color

90.9125, 0.3330, 0.4017



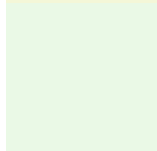
## Protanomaly

90.5849, 0.3386, 0.3767



## Deuteranomaly

90.7125, 0.3295, 0.3603



## Tritanomaly

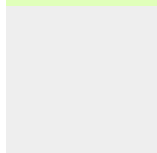
90.9570, 0.3144, 0.3483

# Monochromacy



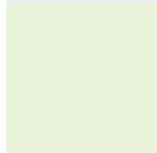
## Original Color

90.9125, 0.3330, 0.4017



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

87.1395, 0.3206, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.9125, 0.3330, 0.4017 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(224, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 186)  
}
```

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(224, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 90.9125, 0.3330, 0.4017 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(224, 255, 186) }
```

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

```
.border{ border-color:rgb(224, 255, 186) }
```

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

Here you see how a box with a 4 pixel rgb(224, 255, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.9125, 0.3330, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 186) }
```

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

```
.background{ background-color: rgb(224,  
255, 186) }
```

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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