

# Converting Colors

$Yxy(92.3346, 0.3170, 0.3711)$

Have a look what the booklet for  
Yxy(92.3346, 0.3170, 0.3711)  
contains.

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# Color

**Yxy(92.3826, 0.3175, 0.3716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FFD6
RGB	225, 255, 214
RGB Percent	88%, 100%, 84%
CMY	0.1179, 0.0000, 0.1608
CMYK	0.12, 0.00, 0.16, 0.00
HSL	104°, 100%, 92%
HSV	104°, 16%, 100%
XYZ	78.9329, 92.3826, 77.2921
YIQ	241.3560, -4.7190, -19.1110

# Conversions

## Conversions Part 2

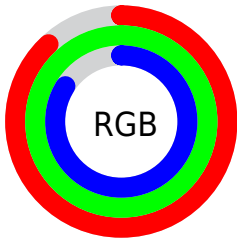
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 255, 244
Decimal	14811094
CIE <sub>Lab</sub>	96.98, -16.99, 16.38
CIE <sub>LCh</sub>	97, 23.598, 136.055
Yxy	92.3826, 0.3175, 0.3716
Android (android.graphics.Color)	4293001174 (0xFFE1FFD6)
YUV	241.3560, -13.4865, -14.3442
Hunter-Lab	96.1159, -21.6138, 19.6027

# Details

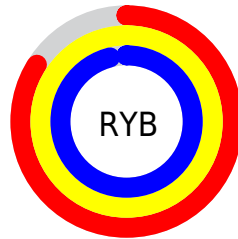
The Yxy color **92.3826, 0.3175, 0.3716** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.5625, 0.3069, 0.2881**, and the grayscale version is **88.3516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.3264, 0.3181, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **88.3269, 0.3201, 0.4016**, and if you desaturate by 10%, it is **96.9498, 0.3146, 0.3442**.

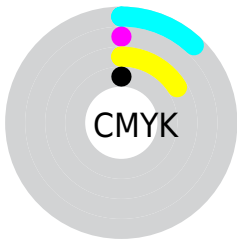
# Distribution



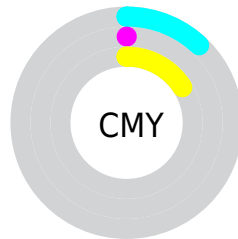
- Red (88%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.3826, 0.3175, 0.3716 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 92.3826, 0.3175, 0.3716 by changing the saturation by 10% instead.




 92.3826, 0.3175,  
0.3716

 92.3826, 0.3175,  
0.3716

535.7513, 0.3156,  
0.3522

 69.9585, 0.3178,  
0.3760


150.6436, 0.3169,  
0.3649

 51.4927, 0.3182,  
0.3813


187.2492, 0.3167,  
0.3623

 36.6008, 0.3187,  
0.3880


229.3507, 0.3165,  
0.3601

 24.8986, 0.3191,  
0.3966

277.3326, 0.3163,  
0.3581

 16.0015, 0.3196,  
0.4082

331.5792, 0.3161,  
0.3564

 9.5252, 0.3200,  
0.4245

392.4749, 0.3159,

 5.0853, 0.3198,

0.3548

0.4491

460.4041, 0.3158,  
0.3535

■ 2.2974, 0.3178,  
0.4899

■ 0.7723, 0.2925,  
0.7075

■ 92.3826, 0.3175,  
0.3716

■ 92.3826, 0.3175,  
0.3716

■ 88.3269, 0.3201,  
0.4016

■ 96.9498, 0.3146,  
0.3442

■ 84.7953, 0.3222,  
0.4338

100.0000, 0.3127,  
0.3290

■ 81.7555, 0.3235,  
0.4671

■ 79.1847, 0.3238,  
0.5000

■ 77.0581, 0.3228,  
0.5305

■ 75.3481, 0.3204,  
0.5565

■ 74.0241, 0.3167,  
0.5761

■ 73.0497, 0.3121,  
0.5885

■ 72.7474, 0.3103,  
0.5918

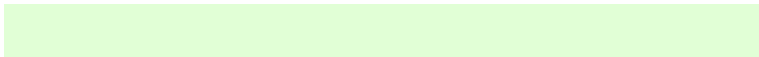
# Harmonies

## Analogous

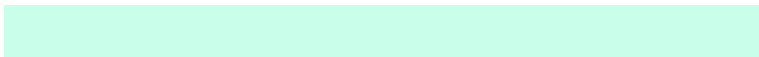
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3826, 0.3426, 0.3754



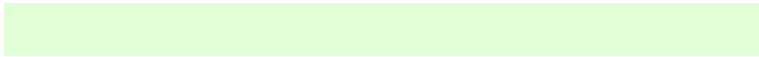
92.3826, 0.3175, 0.3716



92.3826, 0.2918, 0.3548

# Triad

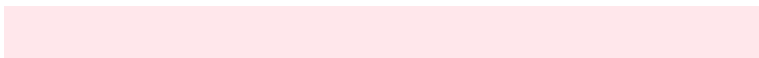
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.3826, 0.3175, 0.3716



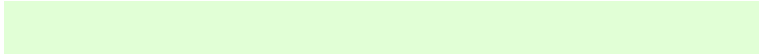
92.3826, 0.2669, 0.2909



92.3826, 0.3546, 0.3255

# Complementary

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



92.3826, 0.3175, 0.3716



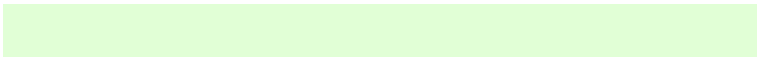
74.5625, 0.3069, 0.2881

# Split Complementary

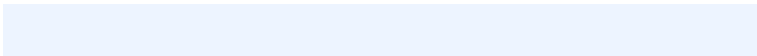
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3826, 0.3328, 0.3051



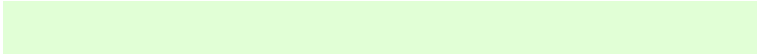
92.3826, 0.3175, 0.3716



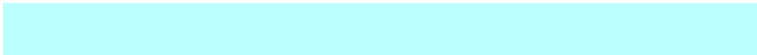
92.3826, 0.2823, 0.2854

# Square

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



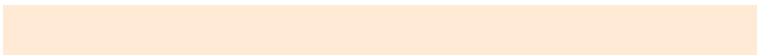
92.3826, 0.3175, 0.3716



92.3826, 0.2634, 0.3070



92.3826, 0.3062, 0.2906

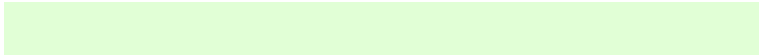


92.3826, 0.3647, 0.3475

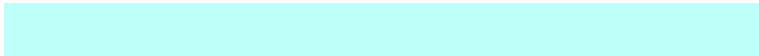


# Rectangle

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



92.3826, 0.3175, 0.3716



92.3826, 0.2778, 0.3389



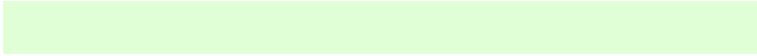
92.3826, 0.3062, 0.2906



92.3826, 0.3484, 0.3182

# Sweetspot

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



92.3717, 0.3175, 0.3716



97.4750, 0.3142, 0.3415



90.8577, 0.3386, 0.3588



20.7901, 0.3145, 0.3433



0.0000, 0.0000, 0.0000

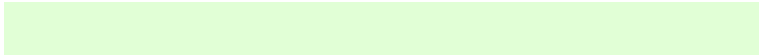


21.4041, 0.3127, 0.3290

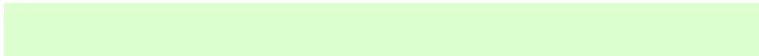


# Same Dimension

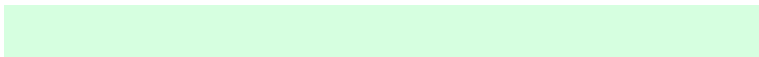
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.3717, 0.3175, 0.3716



91.1348, 0.3183, 0.3801



91.1756, 0.3053, 0.3621



20.4022, 0.3156, 0.3533



38.0737, 0.3112, 0.5911



3.7577, 0.3191, 0.5848



# Inverse Universe

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



74.5625, 0.3069, 0.2881



70.5208, 0.3057, 0.2803



75.9751, 0.3211, 0.2981



18.0426, 0.3095, 0.3053



9.3726, 0.2542, 0.1174

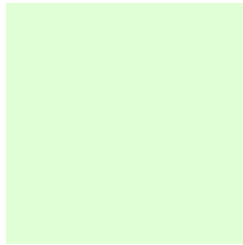


0.9660, 0.2621, 0.1217



# Previews

## White Background



This preview shows how the Yxy color 92.3826, 0.3175, 0.3716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

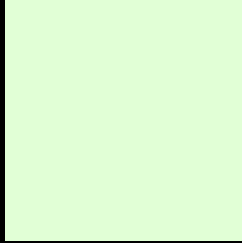
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.3826, 0.3175, 0.3716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

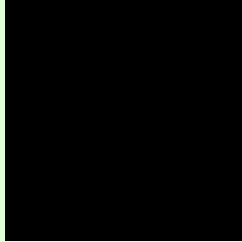
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

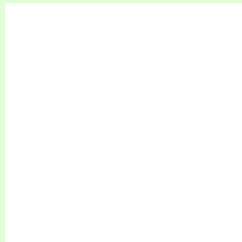
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.3826, 0.3175, 0.3716**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.3826, 0.3175, 0.3716.

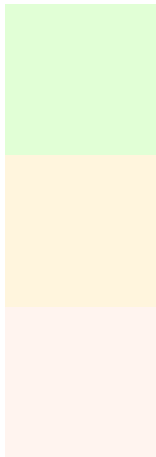


This preview shows how white text looks on a background with the Yxy color 92.3826, 0.3175, 0.3716.

# 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

92.3826, 0.3175, 0.3716

### Protanopia

91.7853, 0.3341, 0.3527

### Deuteranopia

92.1934, 0.3229, 0.3339

## **Tritanopia**

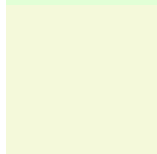
92.4423, 0.3043, 0.3211

# Trichromacy



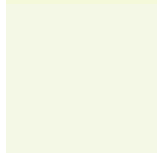
## Original Color

92.3826, 0.3175, 0.3716



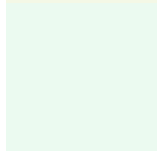
## Protanomaly

92.0464, 0.3281, 0.3602



## Deuteranomaly

92.0811, 0.3209, 0.3470



## Tritanomaly

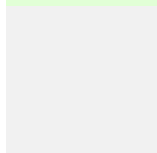
92.3247, 0.3091, 0.3390

# Monochromacy



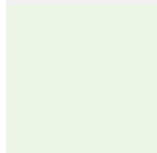
## Original Color

92.3826, 0.3175, 0.3716



## Achromatopsia

87.9622, 0.3127, 0.3290



## Achromatomaly

89.3432, 0.3146, 0.3443

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.3826, 0.3175, 0.3716 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(225, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 214)  
}
```

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(225, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 92.3826, 0.3175, 0.3716 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(225, 255, 214) }
```

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

```
.border{ border-color:rgb(225, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.3826, 0.3175, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 214) }
```

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

```
.background{ background-color: rgb(225,  
255, 214) }
```

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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