

# Converting Colors

$Y_{xy}(100.0000, 0.3176, 0.3810)$

Have a look what the booklet for  
Yxy(100.0000, 0.3176, 0.3810)  
contains.

<b>Yxy(92.7572, 0.3182, 0.3704)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(92.7572, 0.3182, 0.3704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFD7
RGB	227, 255, 215
RGB Percent	89%, 100%, 84%
CMY	0.1101, 0.0000, 0.1569
CMYK	0.11, 0.00, 0.16, 0.00
HSL	102°, 100%, 92%
HSV	102°, 16%, 100%
XYZ	79.6850, 92.7572, 77.9822
YIQ	242.0680, -3.8480, -18.3760

# Conversions

## Conversions Part 2

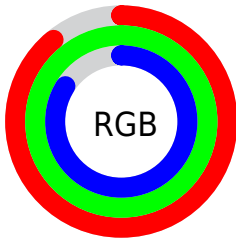
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 255, 243
Decimal	14942167
CIE <sub>Lab</sub>	97.13, -16.16, 16.11
CIE <sub>LCh</sub>	97, 22.818, 135.089
Y <sub>xy</sub>	92.7572, 0.3182, 0.3704
Android (android.graphics.Color)	4293132247 (0xFFE3FFD7)
Y <sub>UV</sub>	242.0680, -13.3445, -13.2146
Hunter-Lab	96.3105, -20.8568, 19.4106

# Details

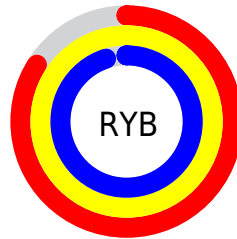
The Yxy color **92.7572, 0.3182, 0.3704** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.8779, 0.3062, 0.2890**, and the grayscale version is **88.9391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.5842, 0.3190, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **88.7759, 0.3214, 0.4001**, and if you desaturate by 10%, it is **97.2196, 0.3147, 0.3432**.

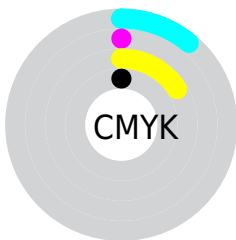
# Distribution



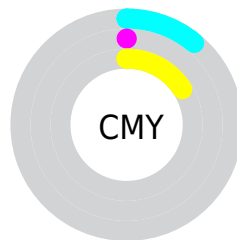
- Red (89%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.7572, 0.3182, 0.3704 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 92.7572, 0.3182, 0.3704 by changing the saturation by 10% instead.



 92.7572, 0.3182,  
0.3704

 92.7572, 0.3182,  
0.3704


536.9597, 0.3160,  
0.3516

 70.2697, 0.3186,  
0.3746


151.1624, 0.3175,  
0.3639

 51.7464, 0.3191,  
0.3798


187.8489, 0.3172,  
0.3614

 36.8030, 0.3197,  
0.3863


230.0373, 0.3170,  
0.3592

 25.0550, 0.3203,  
0.3946

278.1118, 0.3167,  
0.3573

 16.1180, 0.3210,  
0.4058

332.4569, 0.3165,  
0.3556

 9.6077, 0.3216,  
0.4215

393.4570, 0.3163,

 5.1397, 0.3220,

0.3541

0.4451

461.4964, 0.3162,  
0.3528

■ 2.3294, 0.3209,  
0.4841

■ 0.7892, 0.3106,  
0.6894

■ 92.7572, 0.3182,  
0.3704

■ 92.7572, 0.3182,  
0.3704

■ 88.7759, 0.3214,  
0.4001

■ 97.2196, 0.3147,  
0.3432

■ 85.2952, 0.3240,  
0.4319

100.0000, 0.3127,  
0.3290

■ 82.2827, 0.3258,  
0.4648

■ 79.7169, 0.3265,  
0.4973

■ 77.5749, 0.3257,  
0.5276

■ 75.8313, 0.3235,  
0.5535

■ 74.4576, 0.3198,  
0.5733

■ 73.4201, 0.3150,  
0.5860

■ 73.0607, 0.3128,  
0.5898

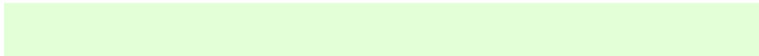
# Harmonies

## Analogous

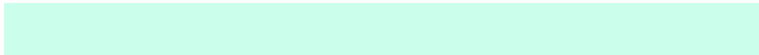
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7572, 0.3423, 0.3737



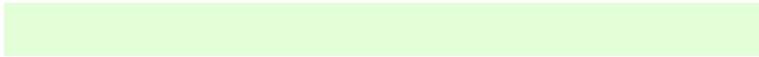
92.7572, 0.3182, 0.3704



92.7572, 0.2933, 0.3545

# Triad

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



92.7572, 0.3182, 0.3704



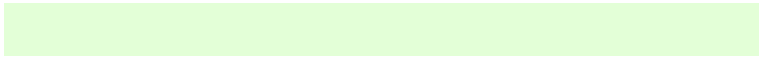
92.7572, 0.2682, 0.2926



92.7572, 0.3526, 0.3249

# Complementary

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



92.7572, 0.3182, 0.3704



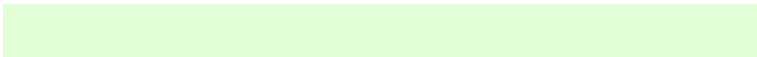
74.8779, 0.3062, 0.2890

# Split Complementary

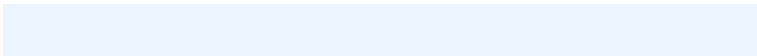
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.7572, 0.3313, 0.3053



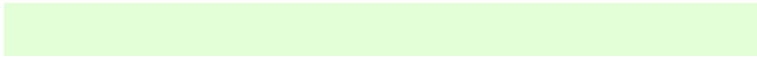
92.7572, 0.3182, 0.3704



92.7572, 0.2827, 0.2868

# Square

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



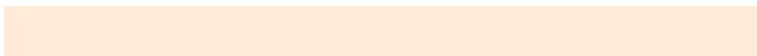
92.7572, 0.3182, 0.3704



92.7572, 0.2651, 0.3085



92.7572, 0.3056, 0.2916

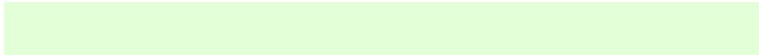


92.7572, 0.3628, 0.3463

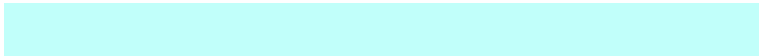


# Rectangle

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



92.7572, 0.3182, 0.3704



92.7572, 0.2795, 0.3394



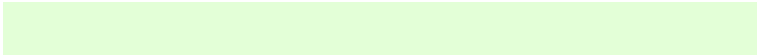
92.7572, 0.3056, 0.2916



92.7572, 0.3465, 0.3180

# Sweetspot

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



92.7445, 0.3182, 0.3704



97.5486, 0.3145, 0.3414



90.2639, 0.3381, 0.3568



20.8079, 0.3147, 0.3433



0.0000, 0.0000, 0.0000

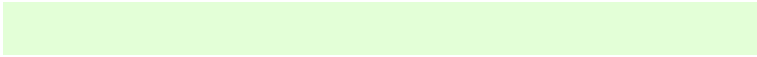


21.4041, 0.3127, 0.3290

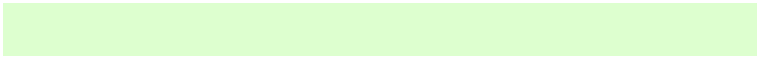


# Same Dimension

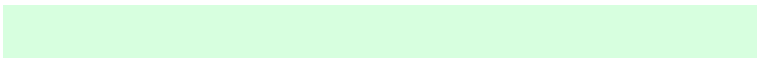
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.7445, 0.3182, 0.3704



91.3767, 0.3193, 0.3799



91.2917, 0.3062, 0.3626



20.4308, 0.3161, 0.3533



38.2429, 0.3138, 0.5890



3.7774, 0.3220, 0.5825



# Inverse Universe

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



74.8779, 0.3062, 0.2890



70.2479, 0.3046, 0.2801



76.5681, 0.3199, 0.2976



18.0123, 0.3090, 0.3052



8.8552, 0.2465, 0.1131

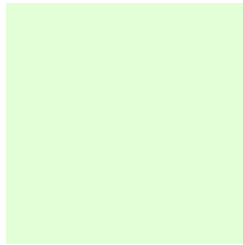


0.9190, 0.2551, 0.1179



# Previews

## White Background



This preview shows how the Yxy color 92.7572, 0.3182, 0.3704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

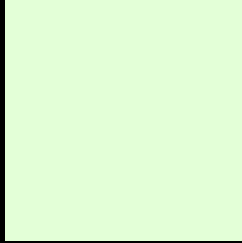
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.7572, 0.3182, 0.3704 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

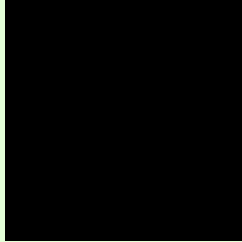
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

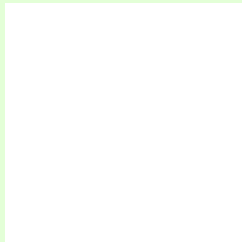
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.7572, 0.3182, 0.3704**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.7572, 0.3182, 0.3704.

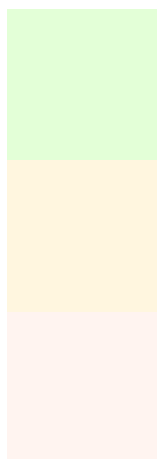


This preview shows how white text looks on a background with the Yxy color 92.7572, 0.3182, 0.3704.

# 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

92.7572, 0.3182, 0.3704

### Protanopia

92.4992, 0.3327, 0.3516

### Deuteranopia

92.2526, 0.3223, 0.3329

## Tritanopia

92.6188, 0.3049, 0.3211

# Trichromacy



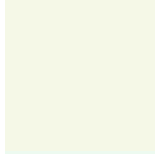
## Original Color

92.7572, 0.3182, 0.3704



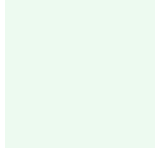
## Protanomaly

92.3311, 0.3275, 0.3581



## Deuteranomaly

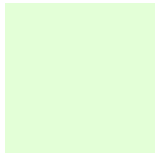
92.3168, 0.3209, 0.3459



## Tritanomaly

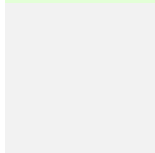
92.6670, 0.3104, 0.3390

# Monochromacy



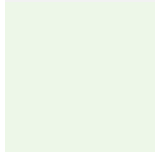
## Original Color

92.7572, 0.3182, 0.3704



## Achromatopsia

88.7923, 0.3127, 0.3290



## Achromatomaly

90.3522, 0.3152, 0.3442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.7572, 0.3182, 0.3704 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(227, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 215)  
}
```

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(227, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 92.7572, 0.3182, 0.3704 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(227, 255, 215) }
```

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

```
.border{ border-color:rgb(227, 255, 215) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.7572, 0.3182, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 215) }
```

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

```
.background{ background-color: rgb(227,  
255, 215) }
```

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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