

# Converting Colors

Yxy(91.4793, 0.3091, 0.3654)

Have a look what the booklet for  
Yxy(91.4793, 0.3091, 0.3654)  
contains.

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# Color

**Yxy(91.4390, 0.3092, 0.3657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9FFDC
RGB	217, 255, 220
RGB Percent	85%, 100%, 86%
CMY	0.1487, 0.0001, 0.1372
CMYK	0.15, 0.00, 0.14, 0.00
HSL	125°, 100%, 93%
HSV	125°, 15%, 100%
XYZ	77.3118, 91.4390, 81.2874
YIQ	239.6480, -11.4130, -18.9410

# Conversions

## Conversions Part 2

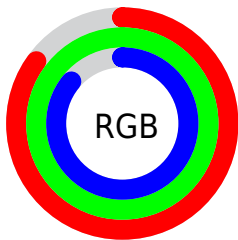
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 252, 255
Decimal	14286812
CIE <sub>Lab</sub>	96.59, -18.57, 12.69
CIE <sub>LCh</sub>	97, 22.488, 145.652
Yxy	91.4390, 0.3092, 0.3657
Android (android.graphics.Color)	4292476892 (0xFFD9FFDC)
YUV	239.6480, -9.6865, -19.8623
Hunter-Lab	95.6237, -23.0242, 16.5356

# Details

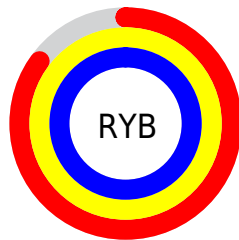
The Yxy color **91.4390, 0.3092, 0.3657** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.9579, 0.3164, 0.2949**, and the grayscale version is **86.9450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.7862, 0.3083, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **86.6703, 0.3067, 0.3944**, and if you desaturate by 10%, it is **96.9948, 0.3116, 0.3402**.

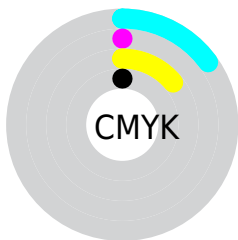
# Distribution



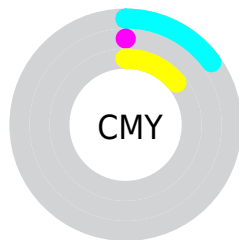
- Red (85%)
- Green (100%)
- Blue (86%)



- Red (85%)
- Yellow (99%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.4390, 0.3092, 0.3657 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 91.4390, 0.3092, 0.3657 by changing the saturation by 10% instead.




 91.4390, 0.3092,  
0.3657

 91.4390, 0.3092,  
0.3657


532.7008, 0.3110,  
0.3490

 69.1748, 0.3088,  
0.3695


149.3356, 0.3098,  
0.3599

 50.8541, 0.3082,  
0.3741


185.7368, 0.3101,  
0.3577

 36.0925, 0.3075,  
0.3799


227.6191, 0.3103,  
0.3557

 24.5056, 0.3065,  
0.3874

275.3669, 0.3105,  
0.3540

 15.7091, 0.3051,  
0.3975

329.3645, 0.3106,  
0.3526

 9.3186, 0.3029,  
0.4118

389.9965, 0.3108,

 4.9495, 0.2993,

0.3512

0.4335

457.6471, 0.3109,  
0.3500

■ 2.2177, 0.2921,  
0.4703

■ 0.7296, 0.2477,  
0.7523

■ 91.4390, 0.3092,  
0.3657

■ 91.4390, 0.3092,  
0.3657

■ 86.6703, 0.3067,  
0.3944

■ 96.9948, 0.3116,  
0.3402

■ 82.6420, 0.3043,  
0.4259

99.9909, 0.3127,  
0.3290

■ 79.3205, 0.3020,  
0.4595

■ 76.6649, 0.3000,  
0.4937

■ 74.6302, 0.2986,  
0.5263

■ 73.1657, 0.2979,  
0.5549

■ 72.2129, 0.2979,  
0.5772

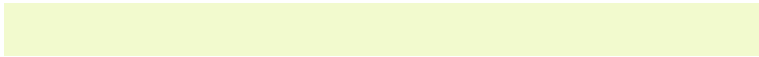
■ 71.7001, 0.2986,  
0.5918

■ 71.5602, 0.2990,  
0.5963

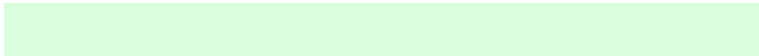
# Harmonies

## Analogous

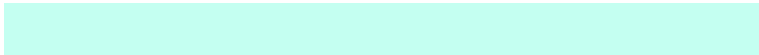
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4390, 0.3342, 0.3736



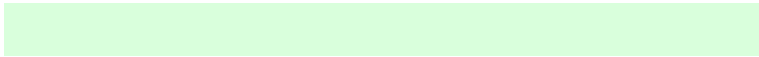
91.4390, 0.3092, 0.3657



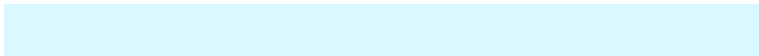
91.4390, 0.2859, 0.3466

# Triad

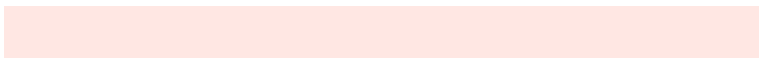
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.4390, 0.3092, 0.3657



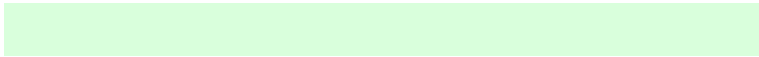
91.4390, 0.2725, 0.2897



91.4390, 0.3573, 0.3325

# Complementary

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



91.4390, 0.3092, 0.3657



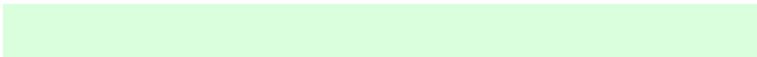
77.9579, 0.3164, 0.2949

# 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.



91.4390, 0.3395, 0.3119



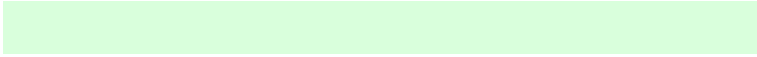
91.4390, 0.3092, 0.3657



91.4390, 0.2903, 0.2877

# Square

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



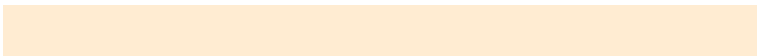
91.4390, 0.3092, 0.3657



91.4390, 0.2652, 0.3021



91.4390, 0.3147, 0.2958

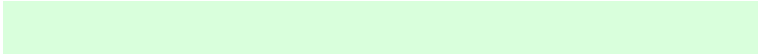


91.4390, 0.3626, 0.3531



# Rectangle

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



91.4390, 0.3092, 0.3657



91.4390, 0.2742, 0.3308



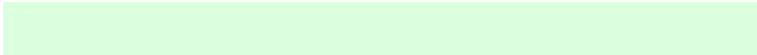
91.4390, 0.3147, 0.2958



91.4390, 0.3525, 0.3254

# Sweetspot

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



91.4429, 0.3092, 0.3657



97.5250, 0.3118, 0.3382



97.3062, 0.3334, 0.3662



20.7779, 0.3116, 0.3400



0.0000, 0.0000, 0.0000

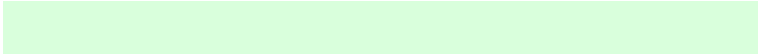


21.4041, 0.3127, 0.3290

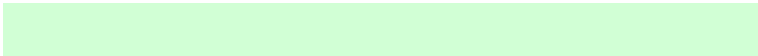


# Same Dimension

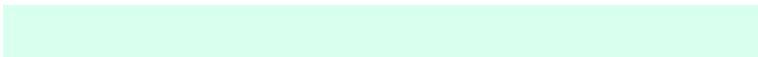
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.4429, 0.3092, 0.3657



89.8757, 0.3084, 0.3744



92.4814, 0.2989, 0.3459



20.1909, 0.3105, 0.3516



37.4045, 0.2987, 0.5952



3.6494, 0.2957, 0.5845



# Inverse Universe

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



77.9579, 0.3164, 0.2949



73.9041, 0.3172, 0.2875



76.8379, 0.3290, 0.3127



18.2748, 0.3150, 0.3074



14.2633, 0.3413, 0.1654

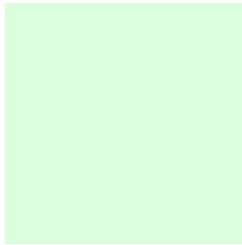


1.3957, 0.3387, 0.1640



# Previews

## White Background



This preview shows how the Yxy color 91.4390, 0.3092, 0.3657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

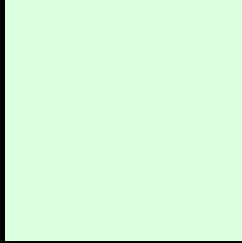
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.4390, 0.3092, 0.3657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

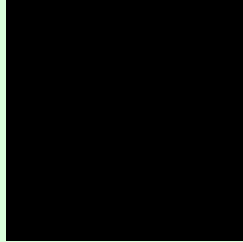
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

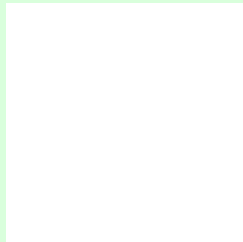
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.4390, 0.3092, 0.3657**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.4390, 0.3092, 0.3657.

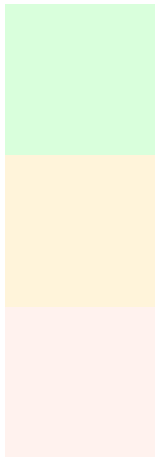


This preview shows how white text looks on a background with the Yxy color 91.4390, 0.3092, 0.3657.

# 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

91.4390, 0.3092, 0.3657

### Protanopia

91.0233, 0.3361, 0.3547

### Deuteranopia

90.9373, 0.3237, 0.3329



## **Tritanopia**

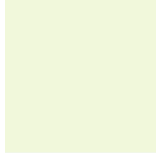
91.1361, 0.3018, 0.3201

# Trichromacy



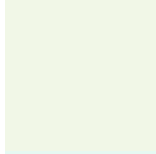
## Original Color

91.4390, 0.3092, 0.3657



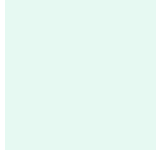
## Protanomaly

90.9500, 0.3256, 0.3584



## Deuteranomaly

90.9918, 0.3184, 0.3451



## Tritanomaly

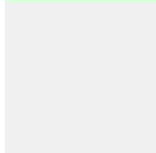
90.9852, 0.3049, 0.3361

# Monochromacy



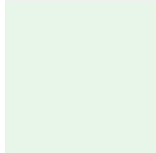
## Original Color

91.4390, 0.3092, 0.3657



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.3438, 0.3115, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.4390, 0.3092, 0.3657 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(217, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 220)  
}
```

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(217, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 91.4390, 0.3092, 0.3657 is called "border". The border property can be set on classes, ids or directly on the HTML element.

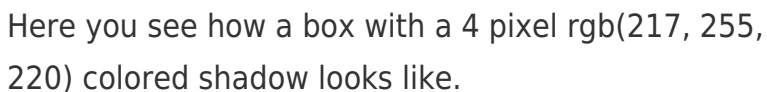
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 255, 220) }
```

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

```
.border{ border-color:rgb(217, 255, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 255, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 255, 220); box-shadow:4px 4px 4px 4px rgb(217, 255, 220) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.4390, 0.3092, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 220) }
```

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

```
.background{ background-color: rgb(217,  
255, 220) }
```

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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