

# Converting Colors

$Yxy(75.9860, 0.3251, 0.3819)$

Have a look what the booklet for  
Yxy(75.9860, 0.3251, 0.3819)  
contains.

<b>Yxy(75.9888, 0.3251, 0.3820)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(75.9888, 0.3251, 0.3820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1EABB
RGB	209, 234, 187
RGB Percent	82%, 92%, 73%
CMY	0.1807, 0.0823, 0.2667
CMYK	0.11, 0.00, 0.20, 0.08
HSL	92°, 53%, 83%
HSV	92°, 20%, 92%
XYZ	64.6700, 75.9888, 58.2647
YIQ	221.1670, 0.1870, -19.9170

# Conversions

## Conversions Part 2

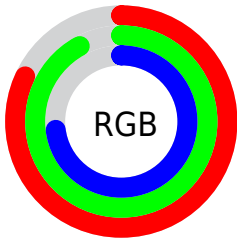
Format	Color
<a href="#">RYB</a>	<a href="#">187, 234, 212</a>
Decimal	<a href="#">13757115</a>
CIELab	<a href="#">89.85, -16.50, 20.13</a>
CIElCh	<a href="#">90, 26.031, 129.331</a>
Yxy	<a href="#">75.9888, 0.3251, 0.3820</a>
Android (android.graphics.Color)	<a href="#">4291947195</a> ( <a href="#">0xFFD1EABB</a> )
YUV	<a href="#">221.1670, -16.8443, -10.6705</a>
Hunter-Lab	<a href="#">87.1716, -20.1262, 21.3912</a>

# Details

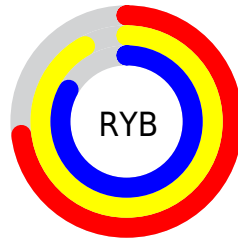
The Yxy color **75.9888, 0.3251, 0.3820** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.4876, 0.2979, 0.2765**, and the grayscale version is **72.5432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **40.4320, 0.3271, 0.3942** is the 20% darker color. If you saturate the color by 10%, you get **73.3202, 0.3308, 0.4113**, and if you desaturate by 10%, it is **78.9701, 0.3190, 0.3545**.

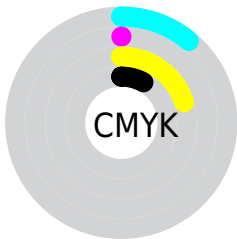
# Distribution



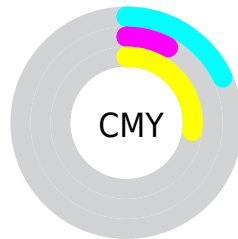
- Red (82%)
- Green (92%)
- Blue (73%)



- Red (73%)
- Yellow (92%)
- Blue (83%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (8%)




- Cyan (18%)
- Magenta (8%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9888, 0.3251, 0.3820 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 75.9888, 0.3251, 0.3820 by changing the saturation by 10% instead.




 75.9888, 0.3251,  
0.3820

 75.9888, 0.3251,  
0.3820


481.3094, 0.3198,  
0.3570

 56.4233, 0.3262,  
0.3878


 127.7111, 0.3233,  
0.3732

 40.5424, 0.3275,  
0.3951


160.6367, 0.3226,  
0.3698

 27.9617, 0.3290,  
0.4043


198.7844, 0.3220,  
0.3669

 18.2968, 0.3309,  
0.4166

242.5387, 0.3215,  
0.3644

 11.1633, 0.3330,  
0.4335

292.2840, 0.3210,  
0.3622

 6.1768, 0.3353,  
0.4582


348.4046, 0.3205,

 2.9529, 0.3368,

0.3603


0.4972


411.2849, 0.3201,  
0.3585


 1.1072, 0.3642,  
0.6358


 0.0000, 0.0000,  
0.0000


 75.9888, 0.3251,  
0.3820


 75.9888, 0.3251,  
0.3820

 73.3202, 0.3308,  
0.4113

 78.9701, 0.3190,  
0.3545


 70.9433, 0.3358,  
0.4417

 82.2646, 0.3128,  
0.3292

 68.8494, 0.3396,  
0.4722

 85.7435, 0.3080,  
0.3084

 67.0256, 0.3419,  
0.5013

 87.3402, 0.3137,  
0.3088

■ 65.4579, 0.3422,  
0.5274

■ 64.1303, 0.3404,  
0.5490

■ 63.0248, 0.3365,  
0.5649

■ 62.1208, 0.3311,  
0.5753

# Harmonies

## Analogous

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



75.9888, 0.3535, 0.3824



75.9888, 0.3251, 0.3820



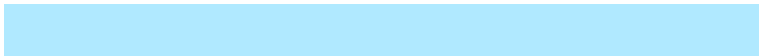
75.9888, 0.2944, 0.3651

# Triad

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



75.9888, 0.3251, 0.3820



75.9888, 0.2570, 0.2874



75.9888, 0.3573, 0.3190

# Complementary

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



75.9888, 0.3251, 0.3820



55.4876, 0.2979, 0.2765

# Split Complementary

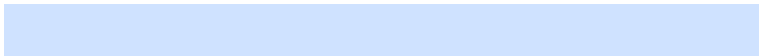
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9888, 0.3294, 0.2965



75.9888, 0.3251, 0.3820



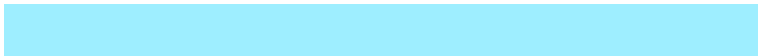
75.9888, 0.2719, 0.2783

# Square

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



75.9888, 0.3251, 0.3820



75.9888, 0.2561, 0.3085



75.9888, 0.2980, 0.2819



75.9888, 0.3729, 0.3447



# Rectangle

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



75.9888, 0.3251, 0.3820



75.9888, 0.2767, 0.3472



75.9888, 0.2980, 0.2819



75.9888, 0.3490, 0.3109

# Sweetspot

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



75.9921, 0.3251, 0.3820



97.5378, 0.3165, 0.3439



68.2085, 0.3474, 0.3565



20.8216, 0.3169, 0.3456



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

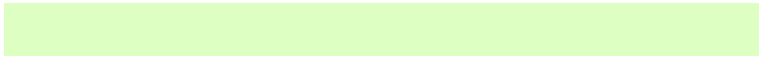


# Same Dimension

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



75.9921, 0.3251, 0.3820



90.9899, 0.3275, 0.3936



73.0784, 0.3092, 0.3826



17.2064, 0.3186, 0.3529



34.9733, 0.3322, 0.5744



2.8030, 0.3429, 0.5659



# Inverse Universe

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



55.4876, 0.2979, 0.2765



61.9573, 0.2944, 0.2651



58.8846, 0.3162, 0.2807



14.9446, 0.3063, 0.3052



5.8582, 0.2092, 0.0926

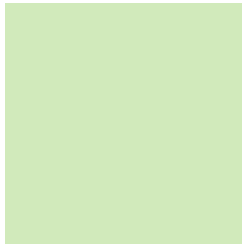


0.5172, 0.2237, 0.1006



# Previews

## White Background



This preview shows how the Yxy color 75.9888, 0.3251, 0.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

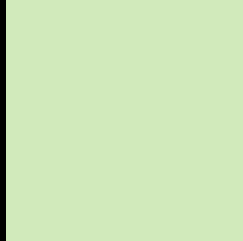
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9888, 0.3251, 0.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

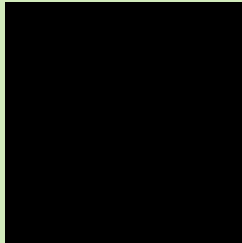
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

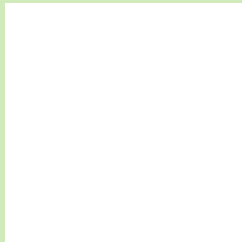
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.9888, 0.3251, 0.3820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9888, 0.3251, 0.3820.



This preview shows how white text looks on a background with the Yxy color 75.9888, 0.3251, 0.3820.

# 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

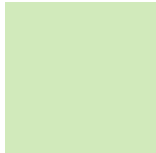




## Tritanopia

75.8298, 0.2961, 0.3099

# Trichromacy



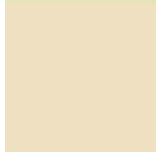
## Original Color

75.9888, 0.3251, 0.3820



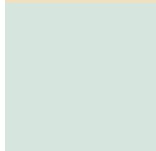
## Protanomaly

75.4415, 0.3417, 0.3770



## Deuteranomaly

75.3387, 0.3438, 0.3620



## Tritanomaly

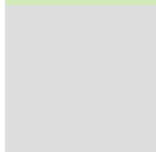
75.8134, 0.3070, 0.3355

# Monochromacy



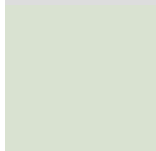
## Original Color

75.9888, 0.3251, 0.3820



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

73.7479, 0.3174, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9888, 0.3251, 0.3820 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(209, 234, 187)` looks like.

```
.text, #text, p{  
    color:rgb(209, 234, 187)  
}
```

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(209, 234, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 234, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9888, 0.3251, 0.3820 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(209, 234, 187) }
```

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

```
.border{ border-color:rgb(209, 234, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 234, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 234, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 234, 187);  
box-shadow:4px 4px 4px 4px rgb(209, 234,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9888, 0.3251, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 234, 187) }
```

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

```
.background{ background-color: rgb(209,  
234, 187) }
```

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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