

# Converting Colors

$Yxy(77.0508, 0.3043, 0.3484)$

Have a look what the booklet for  
Yxy(77.0508, 0.3043, 0.3484)  
contains.

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# Color

**Yxy(76.8345, 0.3039, 0.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDEAD9
RGB	205, 234, 217
RGB Percent	80%, 92%, 85%
CMY	0.1959, 0.0824, 0.1490
CMYK	0.12, 0.00, 0.07, 0.08
HSL	145°, 41%, 86%
HSV	145°, 12%, 92%
XYZ	67.1363, 76.8345, 76.9450
YIQ	223.3910, -11.8270, -11.4350

# Conversions

## Conversions Part 2

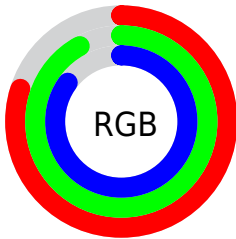
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 226, 234
Decimal	13495001
CIE Lab	90.25, -12.66, 5.04
CIE LCh	90, 13.630, 158.306
Yxy	76.8345, 0.3039, 0.3478
Android (android.graphics.Color)	4291685081 (0xFFCDEAD9)
YUV	223.3910, -3.1508, -16.1289
Hunter-Lab	87.6553, -16.6813, 9.3132

# Details

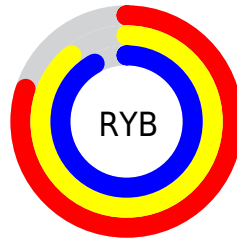
The Yxy color **76.8345, 0.3039, 0.3478** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4561, 0.3226, 0.3109**, and the grayscale version is **74.1222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0287, 0.3022, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **73.0689, 0.2970, 0.3651**, and if you desaturate by 10%, it is **81.1637, 0.3110, 0.3324**.

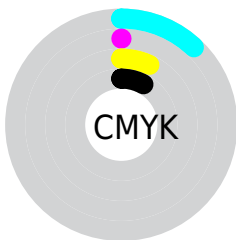
# Distribution



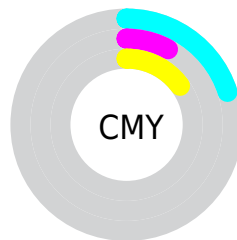
- Red (80%)
- Green (92%)
- Blue (85%)



- Red (80%)
- Yellow (89%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)



- Cyan (20%)
- Magenta (8%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8345, 0.3039, 0.3478 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 76.8345, 0.3039, 0.3478 by changing the saturation by 10% instead.



■ 76.8345, 0.3039,  
0.3478

■ 76.8345, 0.3039,  
0.3478

484.1996, 0.3080,  
0.3391

■ 57.1171, 0.3030,  
0.3498

128.9058, 0.3053,  
0.3448

■ 41.0992, 0.3018,  
0.3523

162.0285, 0.3059,  
0.3436

■ 28.3966, 0.3003,  
0.3555

200.3884, 0.3064,  
0.3426

■ 18.6249, 0.2983,  
0.3596

244.3699, 0.3068,  
0.3417

■ 11.3995, 0.2956,  
0.3654

294.3573, 0.3071,  
0.3409

■ 6.3362, 0.2917,  
0.3737

350.7352, 0.3075,

■ 3.0506, 0.2855,

0.3402

0.3870

413.8878, 0.3078,  
0.3396

■ 1.1582, 0.2736,  
0.4122

■ 0.0272, 0.0000,  
1.0000

■ 76.8345, 0.3039,  
0.3478

■ 76.8345, 0.3039,  
0.3478

■ 73.0689, 0.2970,  
0.3651

■ 81.1637, 0.3110,  
0.3324

■ 69.8337, 0.2905,  
0.3841

■ 86.0689, 0.3182,  
0.3187

■ 67.1070, 0.2848,  
0.4048

■ 87.3202, 0.3137,  
0.3088

■ 64.8616, 0.2802,  
0.4269

■ 63.0675, 0.2769,  
0.4499

■ 61.6914, 0.2755,  
0.4730

■ 60.6951, 0.2759,  
0.4956

■ 60.0327, 0.2782,  
0.5166

■ 59.6975, 0.2809,  
0.5313

# Harmonies

## Analogous

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



76.8345, 0.3201, 0.3561



76.8345, 0.3039, 0.3478



76.8345, 0.2903, 0.3341

# Triad

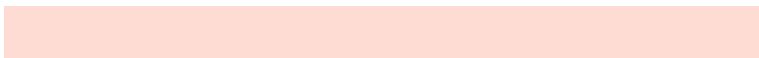
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8345, 0.3039, 0.3478



76.8345, 0.2908, 0.3021



76.8345, 0.3437, 0.3374

# Complementary

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



76.8345, 0.3039, 0.3478



66.4561, 0.3226, 0.3109

# 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.



76.8345, 0.3355, 0.3235



76.8345, 0.3039, 0.3478



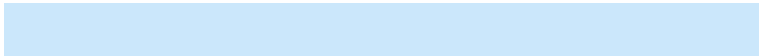
76.8345, 0.3047, 0.3035

# Square

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



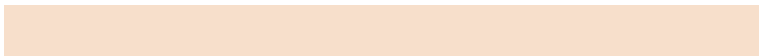
76.8345, 0.3039, 0.3478



76.8345, 0.2829, 0.3077



76.8345, 0.3211, 0.3113



76.8345, 0.3434, 0.3496



# Rectangle

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



76.8345, 0.3039, 0.3478



76.8345, 0.2844, 0.3241



76.8345, 0.3211, 0.3113



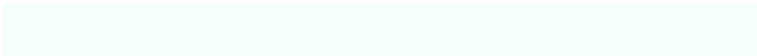
76.8345, 0.3418, 0.3328

# Sweetspot

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



76.8377, 0.3039, 0.3478



97.7370, 0.3098, 0.3348



78.8462, 0.3231, 0.3603



20.8314, 0.3093, 0.3359



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

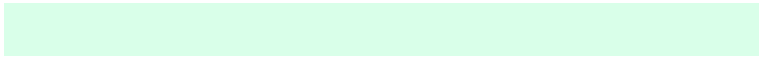


# Same Dimension

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



76.8377, 0.3039, 0.3478



92.0913, 0.3020, 0.3523



77.6024, 0.2955, 0.3321



16.9654, 0.3060, 0.3431



33.5735, 0.2801, 0.5284



2.6551, 0.2725, 0.5008



# Inverse Universe

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



66.4561, 0.3226, 0.3109



77.0004, 0.3251, 0.3068



65.7319, 0.3330, 0.3259



15.2024, 0.3201, 0.3153



10.8753, 0.4592, 0.2303

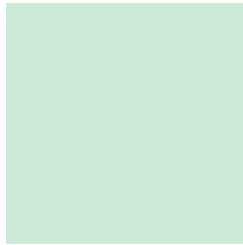


0.8730, 0.4348, 0.2169



# Previews

## White Background



This preview shows how the Yxy color 76.8345, 0.3039, 0.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

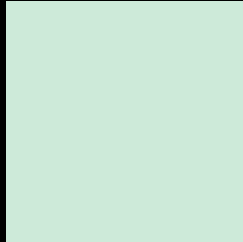
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8345, 0.3039, 0.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

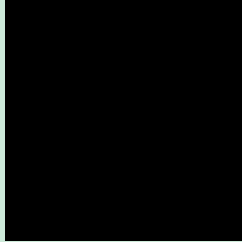
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

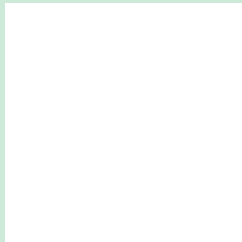
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.8345, 0.3039, 0.3478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8345, 0.3039, 0.3478.

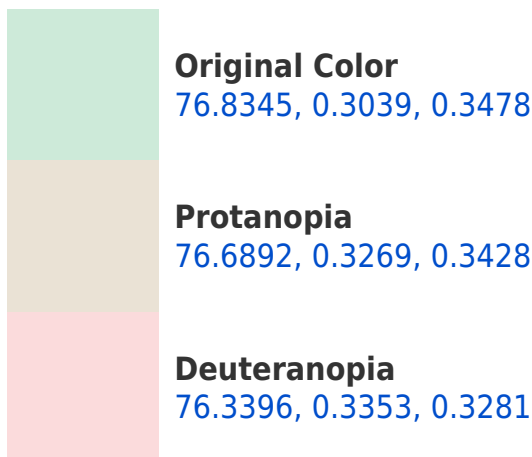


This preview shows how white text looks on a background with the Yxy color 76.8345, 0.3039, 0.3478.

# 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

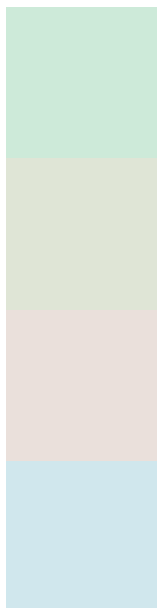




## Tritanopia

76.5176, 0.2886, 0.3087

# Trichromacy



## Original Color

76.8345, 0.3039, 0.3478

## Protanomaly

76.5816, 0.3182, 0.3452

## Deuteranomaly

75.9182, 0.3231, 0.3343

## Tritanomaly

76.6761, 0.2939, 0.3225

# Monochromacy



## Original Color

76.8345, 0.3039, 0.3478

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.7576, 0.3090, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8345, 0.3039, 0.3478 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(205, 234, 217)` looks like.

```
.text, #text, p{  
    color:rgb(205, 234, 217)  
}
```

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(205, 234, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 234, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8345, 0.3039, 0.3478 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(205, 234, 217) }
```

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

```
.border{ border-color:rgb(205, 234, 217) }
```

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

Here you see how a box with a 4 pixel rgb(205, 234, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 234, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 234, 217);  
box-shadow:4px 4px 4px 4px rgb(205, 234,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8345, 0.3039, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 234, 217) }
```

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

```
.background{ background-color: rgb(205,  
234, 217) }
```

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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