

# Converting Colors

$Yxy(76.0539, 0.3306, 0.3826)$

Have a look what the booklet for  
Yxy(76.0539, 0.3306, 0.3826)  
contains.

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# Color

**Yxy(76.2277, 0.3308, 0.3825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E9B9
RGB	215, 233, 185
RGB Percent	84%, 91%, 73%
CMY	0.1568, 0.0863, 0.2745
CMYK	0.08, 0.00, 0.21, 0.09
HSL	82°, 52%, 82%
HSV	82°, 21%, 91%
XYZ	65.9245, 76.2277, 57.1359
YIQ	222.1460, 4.6800, -18.7440

# Conversions

## Conversions Part 2

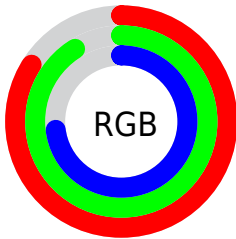
Format	Color
<a href="#">RYB</a>	<a href="#">185, 233, 203</a>
Decimal	<a href="#">14150073</a>
CIELab	<a href="#">89.96, -14.15, 21.38</a>
CIELCh	<a href="#">90, 25.640, 123.498</a>
Yxy	<a href="#">76.2277, 0.3308, 0.3825</a>
Android (android.graphics.Color)	<a href="#">4292340153</a> ( <a href="#">0xFFD7E9B9</a> )
YUV	<a href="#">222.1460, -18.3130, -6.2670</a>
Hunter-Lab	<a href="#">87.3085, -18.0088, 22.3157</a>

# Details

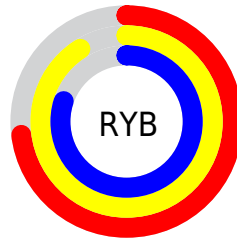
The Yxy color **76.2277, 0.3308, 0.3825** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.2738, 0.2916, 0.2741**, and the grayscale version is **73.2888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **40.5838, 0.3344, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **74.0399, 0.3392, 0.4106**, and if you desaturate by 10%, it is **78.6539, 0.3220, 0.3556**.

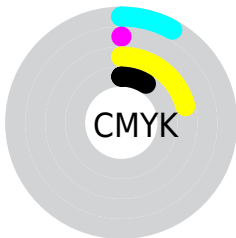
# Distribution



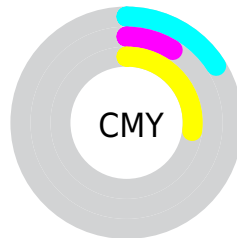
- Red (84%)
- Green (91%)
- Blue (73%)



- Red (73%)
- Yellow (91%)
- Blue (80%)



- Cyan (8%)
- Magenta (0%)
- Yellow (21%)
- Black (9%)




- Cyan (16%)
- Magenta (9%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2277, 0.3308, 0.3825 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 76.2277, 0.3308, 0.3825 by changing the saturation by 10% instead.




 76.2277, 0.3308,  
0.3825

 76.2277, 0.3308,  
0.3825


482.1268, 0.3229,  
0.3573

 56.6192, 0.3325,  
0.3883


 128.0487, 0.3281,  
0.3737

 40.6996, 0.3345,  
0.3956


161.0301, 0.3271,  
0.3703

 28.0844, 0.3370,  
0.4048


199.2378, 0.3261,  
0.3674

 18.3893, 0.3400,  
0.4169

243.0564, 0.3253,  
0.3648

 11.2299, 0.3438,  
0.4336

292.8702, 0.3246,  
0.3626

 6.2217, 0.3483,  
0.4577


349.0636, 0.3240,

 2.9803, 0.3532,

0.3607


0.4953


412.0210, 0.3234,  
0.3589


 1.1215, 0.3853,  
0.6147

 0.0000, 0.0000,  
0.0000


 76.2277, 0.3308,  
0.3825


 76.2277, 0.3308,  
0.3825


 74.0399, 0.3392,  
0.4106

 78.6539, 0.3220,  
0.3556


 72.0717, 0.3469,  
0.4392

 81.3168, 0.3132,  
0.3305

 70.3166, 0.3533,  
0.4672

 84.2278, 0.3047,  
0.3073

 68.7642, 0.3581,  
0.4933

 85.8088, 0.3103,  
0.3076

■ 67.4030, 0.3606,  
0.5163

■ 86.7579, 0.3137,  
0.3078

■ 66.2198, 0.3607,  
0.5349

■ 65.1991, 0.3583,  
0.5484

■ 64.3645, 0.3543,  
0.5569

# Harmonies

## Analogous

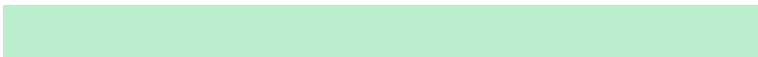
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2277, 0.3573, 0.3798



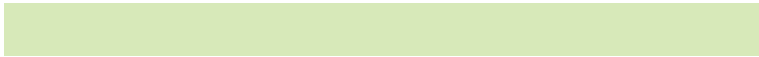
76.2277, 0.3308, 0.3825



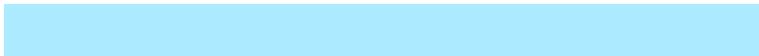
76.2277, 0.3004, 0.3689

# Triad

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



76.2277, 0.3308, 0.3825



76.2277, 0.2565, 0.2912



76.2277, 0.3519, 0.3144

# Complementary

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



76.2277, 0.3308, 0.3825



53.2738, 0.2916, 0.2741

# Split Complementary

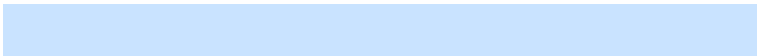
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2277, 0.3231, 0.2935



76.2277, 0.3308, 0.3825



76.2277, 0.2687, 0.2798

# Square

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



76.2277, 0.3308, 0.3825



76.2277, 0.2584, 0.3140



76.2277, 0.2926, 0.2810



76.2277, 0.3702, 0.3395



# Rectangle

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



76.2277, 0.3308, 0.3825



76.2277, 0.2819, 0.3524



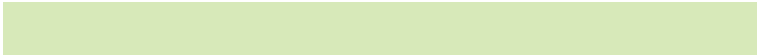
76.2277, 0.2926, 0.2810



76.2277, 0.3431, 0.3067

# Sweetspot

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



76.2310, 0.3308, 0.3825



97.9828, 0.3180, 0.3439



63.3492, 0.3501, 0.3486



20.9268, 0.3186, 0.3455



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.



76.2310, 0.3308, 0.3825



92.3020, 0.3347, 0.3951



72.9088, 0.3143, 0.3853



17.3288, 0.3210, 0.3527



36.5947, 0.3552, 0.5561



2.9282, 0.3641, 0.5491



# Inverse Universe

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



53.2738, 0.2916, 0.2741



59.0570, 0.2861, 0.2608



56.8465, 0.3100, 0.2771



14.8237, 0.3038, 0.3051



4.5604, 0.1806, 0.0769

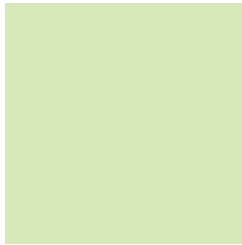


0.4114, 0.1960, 0.0853



# Previews

## White Background



This preview shows how the Yxy color 76.2277, 0.3308, 0.3825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

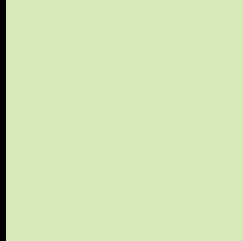
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2277, 0.3308, 0.3825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

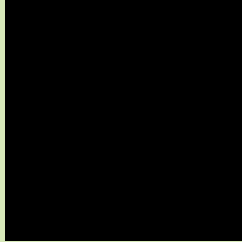
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

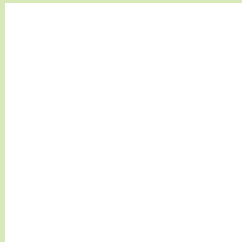
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.2277, 0.3308, 0.3825**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2277, 0.3308, 0.3825.

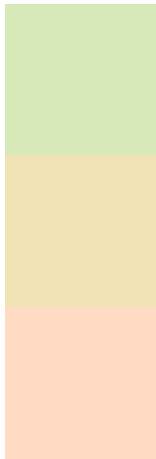


This preview shows how white text looks on a background with the Yxy color 76.2277, 0.3308, 0.3825.

# 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

76.2277, 0.3308, 0.3825

### Protanopia

76.2542, 0.3531, 0.3768

### Deuteranopia

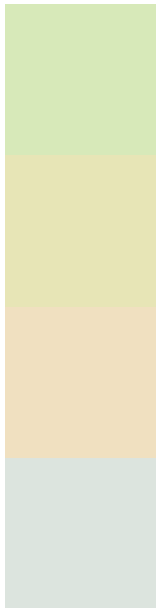
75.9086, 0.3555, 0.3526



## Tritanopia

76.0095, 0.3000, 0.3101

# Trichromacy



**Original Color**

76.2277, 0.3308, 0.3825

**Protanomaly**

76.4049, 0.3451, 0.3798

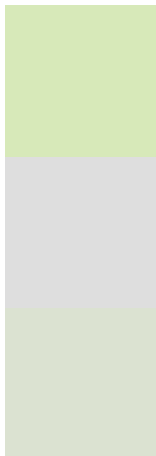
**Deuteranomaly**

75.6423, 0.3460, 0.3629

**Tritanomaly**

75.9764, 0.3110, 0.3355

# Monochromacy



**Original Color**

76.2277, 0.3308, 0.3825

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

74.0562, 0.3188, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2277, 0.3308, 0.3825 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(215, 233, 185)` looks like.

```
.text, #text, p{  
    color:rgb(215, 233, 185)  
}
```

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(215, 233, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 233, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2277, 0.3308, 0.3825 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(215, 233, 185) }
```

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

```
.border{ border-color:rgb(215, 233, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 233, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 233, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 233, 185);  
box-shadow:4px 4px 4px 4px rgb(215, 233,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2277, 0.3308, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 233, 185) }
```

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

```
.background{ background-color: rgb(215,  
233, 185) }
```

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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