

# Converting Colors

$Yxy(77.6863, 0.3382, 0.4020)$

Have a look what the booklet for  
Yxy(77.6863, 0.3382, 0.4020)  
contains.

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# Color

**Yxy(77.8048, 0.3382, 0.4026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6EDAB
RGB	214, 237, 171
RGB Percent	84%, 93%, 67%
CMY	0.1609, 0.0705, 0.3295
CMYK	0.10, 0.00, 0.28, 0.07
HSL	81°, 65%, 80%
HSV	81°, 28%, 93%
XYZ	65.3591, 77.8048, 50.0919
YIQ	222.5990, 7.4780, -25.4020

# Conversions

## Conversions Part 2

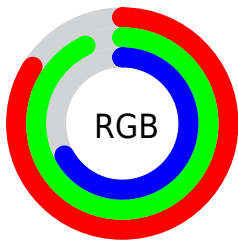
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 237, 194
Decimal	14085547
CIELab	90.69, -18.55, 29.55
CIELCh	91, 34.893, 122.112
Yxy	77.8048, 0.3382, 0.4026
Android (android.graphics.Color)	4292275627 (0xFFD6EDAB)
YUV	222.5990, -25.4383, -7.5413
Hunter-Lab	88.2070, -22.0984, 28.0747

# Details

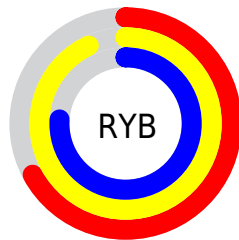
The Yxy color **77.8048, 0.3382, 0.4026** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **46.7075, 0.2813, 0.2522**, and the grayscale version is **73.6704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **41.7267, 0.3436, 0.4206** is the 20% darker color. If you saturate the color by 10%, you get **75.7712, 0.3466, 0.4309**, and if you desaturate by 10%, it is **80.0704, 0.3292, 0.3749**.

# Distribution



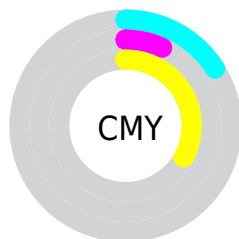
- Red (84%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)




- Cyan (16%)
- Magenta (7%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8048, 0.3382, 0.4026 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 77.8048, 0.3382, 0.4026 by changing the saturation by 10% instead.



 77.8048, 0.3382,  
0.4026

 77.8048, 0.3382,  
0.4026

487.5036, 0.3273,  
0.3680

 57.9136, 0.3404,  
0.4106


 130.2749, 0.3346,  
0.3905

 41.7392, 0.3431,  
0.4205


163.6227, 0.3332,  
0.3858

 28.8972, 0.3462,  
0.4331


202.2247, 0.3319,  
0.3818

 19.0030, 0.3498,  
0.4495

246.4655, 0.3307,  
0.3783

 11.6725, 0.3538,  
0.4718

296.7294, 0.3297,  
0.3752

 6.5211, 0.3579,  
0.5032


353.4008, 0.3288,


 3.1644, 0.3654,

0.3725

0.5590


416.8641, 0.3280,  
0.3701


 1.2182, 0.3556,  
0.6444


 0.0765, 0.0000,  
1.0000

 77.8048, 0.3382,  
0.4026

 77.8048, 0.3382,  
0.4026

 75.7712, 0.3466,  
0.4309


 80.0704, 0.3292,  
0.3749


 73.9499, 0.3539,  
0.4588

 82.5668, 0.3199,  
0.3485

 72.3338, 0.3595,  
0.4851

 85.3058, 0.3108,  
0.3239

 70.9114, 0.3631,  
0.5086

 87.5806, 0.3083,  
0.3114

■ 69.6698, 0.3643,  
0.5280

■ 89.0564, 0.3135,  
0.3117

■ 68.5939, 0.3629,  
0.5424

■ 67.6635, 0.3593,  
0.5519

■ 67.4769, 0.3584,  
0.5537

# Harmonies

## Analogous

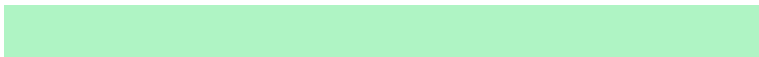
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8048, 0.3737, 0.3965



77.8048, 0.3382, 0.4026



77.8048, 0.2973, 0.3852

# Triad

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



77.8048, 0.3382, 0.4026



77.8048, 0.2378, 0.2788



77.8048, 0.3642, 0.3077

# Complementary

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



77.8048, 0.3382, 0.4026



46.7075, 0.2813, 0.2522

# Split Complementary

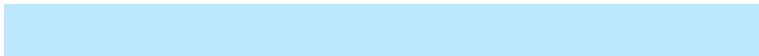
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8048, 0.3244, 0.2809



77.8048, 0.3382, 0.4026



77.8048, 0.2528, 0.2638

# Square

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



77.8048, 0.3382, 0.4026



77.8048, 0.2410, 0.3095



77.8048, 0.2837, 0.2651



77.8048, 0.3901, 0.3404



# Rectangle

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



77.8048, 0.3382, 0.4026



77.8048, 0.2726, 0.3626



77.8048, 0.2837, 0.2651



77.8048, 0.3518, 0.2979

# Sweetspot

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



77.8082, 0.3382, 0.4026



97.4299, 0.3201, 0.3490



59.0838, 0.3671, 0.3535



20.7550, 0.3215, 0.3529



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

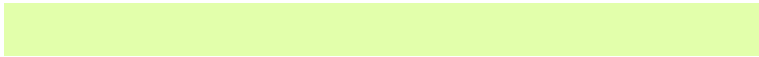


# Same Dimension

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



77.8082, 0.3382, 0.4026



90.5646, 0.3427, 0.4175



73.4598, 0.3161, 0.4079



17.3487, 0.3214, 0.3527



36.9108, 0.3593, 0.5529



2.9516, 0.3677, 0.5462



# Inverse Universe

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



46.7075, 0.2813, 0.2522



48.5980, 0.2740, 0.2358



51.4051, 0.3069, 0.2577



14.8045, 0.3034, 0.3050



4.4008, 0.1768, 0.0748

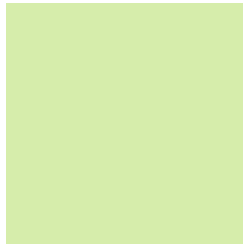


0.3974, 0.1921, 0.0832



# Previews

## White Background



This preview shows how the Yxy color 77.8048, 0.3382, 0.4026 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 77.8048, 0.3382, 0.4026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

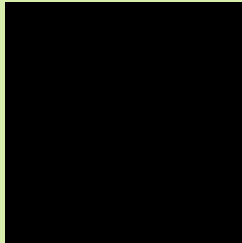
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

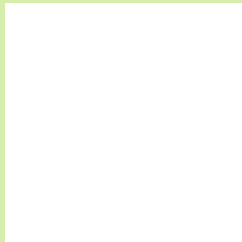
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.8048, 0.3382, 0.4026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8048, 0.3382, 0.4026.

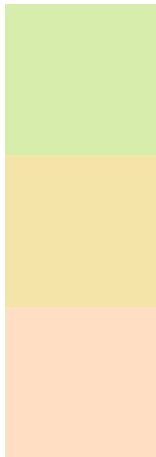


This preview shows how white text looks on a background with the Yxy color 77.8048, 0.3382, 0.4026.

# 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

77.8048, 0.3382, 0.4026

### Protanopia

77.6893, 0.3659, 0.3928

### Deuteranopia

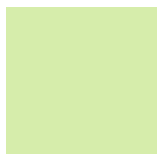
77.4427, 0.3555, 0.3566



## Tritanopia

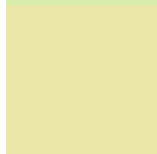
77.3780, 0.2994, 0.3102

# Trichromacy



## Original Color

77.8048, 0.3382, 0.4026



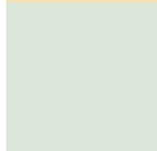
## Protanomaly

77.4714, 0.3561, 0.3965



## Deuteranomaly

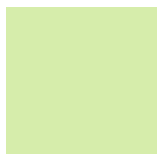
77.0086, 0.3495, 0.3724



## Tritanomaly

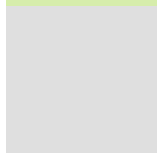
77.4294, 0.3134, 0.3430

# Monochromacy



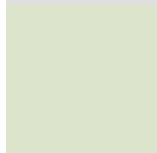
## Original Color

77.8048, 0.3382, 0.4026



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.0621, 0.3227, 0.3553

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8048, 0.3382, 0.4026 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(214, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(214, 237, 171)  
}
```

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(214, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 237, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8048, 0.3382, 0.4026 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(214, 237, 171) }
```

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

```
.border{ border-color:rgb(214, 237, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 237, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(214, 237,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8048, 0.3382, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 237, 171) }
```

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

```
.background{ background-color: rgb(214,  
237, 171) }
```

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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