

# Converting Colors

$Yxy(77.0957, 0.3300, 0.3791)$

Have a look what the booklet for  
Yxy(77.0957, 0.3300, 0.3791)  
contains.

<b>Yxy(77.2282, 0.3301, 0.3799)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(77.2282, 0.3301, 0.3799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9EABC
RGB	217, 234, 188
RGB Percent	85%, 92%, 74%
CMY	0.1492, 0.0823, 0.2627
CMYK	0.07, 0.00, 0.20, 0.08
HSL	82°, 52%, 83%
HSV	82°, 20%, 92%
XYZ	67.1046, 77.2282, 58.9528
YIQ	223.6730, 4.6340, -17.9100

# Conversions

## Conversions Part 2

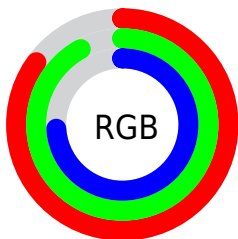
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 234, 205
Decimal	14281404
CIELab	90.43, -13.52, 20.49
CIELCh	90, 24.542, 123.415
Yxy	77.2282, 0.3301, 0.3799
Android (android.graphics.Color)	4292471484 (0xFFD9EABC)
YUV	223.6730, -17.5868, -5.8522
Hunter-Lab	87.8796, -17.4872, 21.7418

# Details

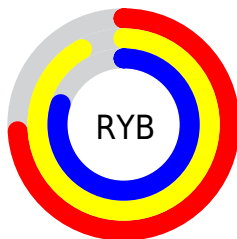
The Yxy color **77.2282, 0.3301, 0.3799** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.9045, 0.2926, 0.2768**, and the grayscale version is **74.4180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **41.2714, 0.3336, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **75.0072, 0.3386, 0.4079**, and if you desaturate by 10%, it is **79.6896, 0.3213, 0.3532**.

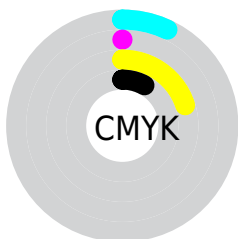
# Distribution



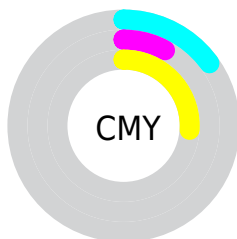
- Red (85%)
- Green (92%)
- Blue (74%)



- Red (74%)
- Yellow (92%)
- Blue (80%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (8%)




- Cyan (15%)
- Magenta (8%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2282, 0.3301, 0.3799 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 77.2282, 0.3301, 0.3799 by changing the saturation by 10% instead.



 77.2282, 0.3301,  
0.3799

 77.2282, 0.3301,  
0.3799


485.5417, 0.3225,  
0.3560

 57.4402, 0.3317,  
0.3854


 129.4616, 0.3275,  
0.3716

 41.3588, 0.3337,  
0.3922


162.6757, 0.3265,  
0.3683

 28.5995, 0.3361,  
0.4009


201.1340, 0.3256,  
0.3656

 18.7781, 0.3390,  
0.4124

245.2208, 0.3248,  
0.3632

 11.5100, 0.3427,  
0.4280

295.3207, 0.3241,  
0.3611

 6.4110, 0.3472,  
0.4506

351.8178, 0.3235,

 3.0966, 0.3524,

0.3592

0.4858

415.0967, 0.3230,  
0.3575

■ 1.1824, 0.3935,  
0.6065

■ 0.0472, 0.0000,  
1.0000

■ 77.2282, 0.3301,  
0.3799

■ 77.2282, 0.3301,  
0.3799

■ 75.0072, 0.3386,  
0.4079

■ 79.6896, 0.3213,  
0.3532

■ 73.0076, 0.3465,  
0.4364

■ 82.3897, 0.3124,  
0.3282

■ 71.2230, 0.3531,  
0.4645

■ 85.1307, 0.3058,  
0.3083

■ 69.6432, 0.3581,  
0.4908

■ 86.7123, 0.3115,  
0.3086

■ 68.2564, 0.3609,  
0.5140

■ 87.3364, 0.3137,  
0.3088

■ 67.0497, 0.3612,  
0.5330

■ 66.0076, 0.3591,  
0.5470

■ 65.1059, 0.3550,  
0.5562

■ 65.0767, 0.3548,  
0.5565

# Harmonies

## Analogous

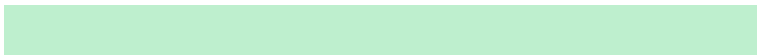
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2282, 0.3553, 0.3774



77.2282, 0.3301, 0.3799



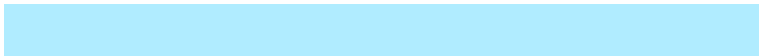
77.2282, 0.3011, 0.3669

# Triad

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



77.2282, 0.3301, 0.3799



77.2282, 0.2590, 0.2931



77.2282, 0.3500, 0.3151

# Complementary

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



77.2282, 0.3301, 0.3799



54.9045, 0.2926, 0.2768

# Split Complementary

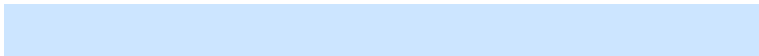
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2282, 0.3226, 0.2950



77.2282, 0.3301, 0.3799



77.2282, 0.2707, 0.2821

# Square

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



77.2282, 0.3301, 0.3799



77.2282, 0.2609, 0.3148



77.2282, 0.2935, 0.2831

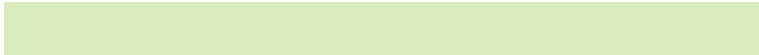


77.2282, 0.3674, 0.3391



# Rectangle

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



77.2282, 0.3301, 0.3799



77.2282, 0.2835, 0.3513



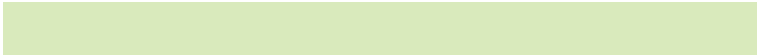
77.2282, 0.2935, 0.2831



77.2282, 0.3416, 0.3077

# Sweetspot

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



77.2316, 0.3301, 0.3799



97.9926, 0.3180, 0.3439



64.7331, 0.3481, 0.3476



20.9291, 0.3186, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

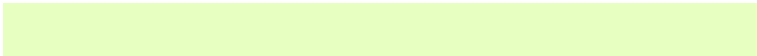


# Same Dimension

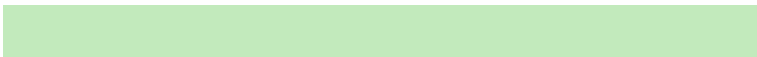
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2316, 0.3301, 0.3799



92.6108, 0.3340, 0.3923



73.9765, 0.3143, 0.3824



17.3315, 0.3211, 0.3527



36.6369, 0.3558, 0.5557



2.9313, 0.3646, 0.5487



# Inverse Universe

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



54.9045, 0.2926, 0.2768



60.3910, 0.2872, 0.2638



58.3886, 0.3102, 0.2795



14.8211, 0.3038, 0.3051



4.5378, 0.1801, 0.0766

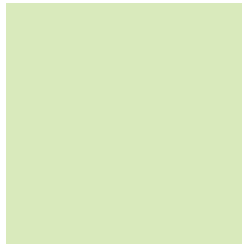


0.4095, 0.1955, 0.0850



# Previews

## White Background



This preview shows how the Yxy color 77.2282, 0.3301, 0.3799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

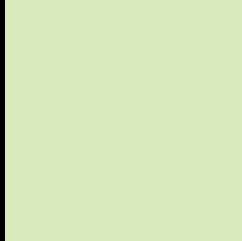
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.2282, 0.3301, 0.3799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

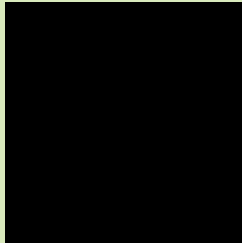
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

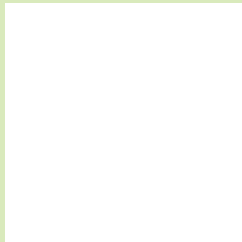
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.2282, 0.3301, 0.3799**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.2282, 0.3301, 0.3799.

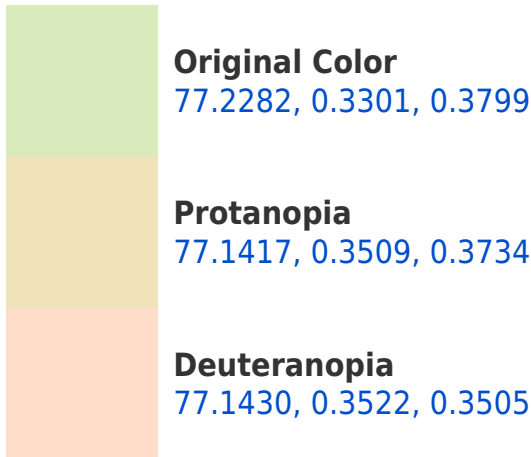


This preview shows how white text looks on a background with the Yxy color 77.2282, 0.3301, 0.3799.

# 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

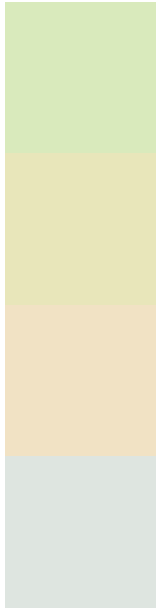




## Tritanopia

76.9319, 0.3007, 0.3102

# Trichromacy



**Original Color**

77.2282, 0.3301, 0.3799

**Protanomaly**

77.2946, 0.3429, 0.3763

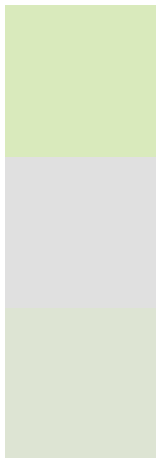
**Deuteranomaly**

77.0790, 0.3436, 0.3606

**Tritanomaly**

76.9500, 0.3111, 0.3343

# Monochromacy



**Original Color**

77.2282, 0.3301, 0.3799

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.5621, 0.3188, 0.3475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.2282, 0.3301, 0.3799 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, 234, 188)` looks like.

```
.text, #text, p{  
    color:rgb(217, 234, 188)  
}
```

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, 234, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 234, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 77.2282, 0.3301, 0.3799 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, 234, 188) }
```

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

```
.border{ border-color:rgb(217, 234, 188) }
```

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

Here you see how a box with a 4 pixel rgb(217, 234, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 234, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 234, 188);  
box-shadow:4px 4px 4px 4px rgb(217, 234,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.2282, 0.3301, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 234, 188) }
```

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

```
.background{ background-color: rgb(217,  
234, 188) }
```

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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