

# Converting Colors

$Yxy(77.6684, 0.3117, 0.3503)$

Have a look what the booklet for  
Yxy(77.6684, 0.3117, 0.3503)  
contains.

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# Color

**Yxy(77.4290, 0.3117, 0.3498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E9D6
RGB	214, 233, 214
RGB Percent	84%, 91%, 84%
CMY	0.1610, 0.0862, 0.1608
CMYK	0.08, 0.00, 0.08, 0.09
HSL	120°, 30%, 88%
HSV	120°, 8%, 91%
XYZ	68.9955, 77.4290, 74.9277
YIQ	225.1530, -5.2250, -9.9370

# Conversions

## Conversions Part 2

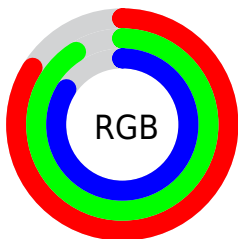
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 233, 233
Decimal	14084566
CIE <sub>Lab</sub>	90.52, -9.77, 7.08
CIE <sub>LCh</sub>	91, 12.065, 144.068
Yxy	77.4290, 0.3117, 0.3498
Android (android.graphics.Color)	4292274646 (0xFFD6E9D6)
YUV	225.1530, -5.4984, -9.7812
Hunter-Lab	87.9937, -14.0281, 11.1095

# Details

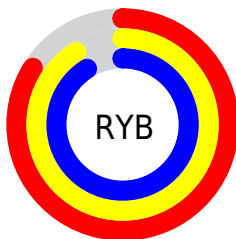
The Yxy color **77.4290, 0.3117, 0.3498** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2724, 0.3137, 0.3090**, and the grayscale version is **75.4496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3184, 0.3115, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **73.0711, 0.3103, 0.3784**, and if you desaturate by 10%, it is **82.4643, 0.3129, 0.3247**.

# Distribution



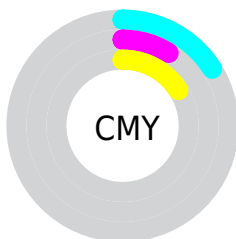
- Red (84%)
- Green (91%)
- Blue (84%)



- Red (84%)
- Yellow (91%)
- Blue (91%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4290, 0.3117, 0.3498 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 77.4290, 0.3117, 0.3498 by changing the saturation by 10% instead.




 77.4290, 0.3117,  
0.3498

 77.4290, 0.3117,  
0.3498


486.2255, 0.3122,  
0.3401

 57.6050, 0.3116,  
0.3520


129.7449, 0.3119,  
0.3464

 41.4912, 0.3114,  
0.3548


163.0056, 0.3120,  
0.3451

 28.7031, 0.3111,  
0.3583


201.5140, 0.3120,  
0.3440

 18.8563, 0.3108,  
0.3628

245.6545, 0.3121,  
0.3430

 11.5665, 0.3103,  
0.3691

295.8115, 0.3121,  
0.3422

 6.4492, 0.3095,  
0.3783

352.3694, 0.3122,

 3.1201, 0.3081,

0.3414

0.3928

415.7126, 0.3122,  
0.3407

■ 1.1948, 0.3062,  
0.4212

■ 0.0574, 0.0000,  
1.0000

■ 77.4290, 0.3117,  
0.3498

■ 77.4290, 0.3117,  
0.3498

■ 73.0711, 0.3103,  
0.3784

■ 82.4643, 0.3129,  
0.3247

■ 69.3522, 0.3088,  
0.4104

■ 86.7696, 0.3137,  
0.3078

■ 66.2454, 0.3071,  
0.4451

■ 63.7180, 0.3054,  
0.4811

■ 61.7339, 0.3037,  
0.5163

■ 60.2535, 0.3023,  
0.5480

■ 59.2315, 0.3011,  
0.5733

■ 58.6145, 0.3004,  
0.5903

■ 58.3277, 0.3000,  
0.5988

# Harmonies

## Analogous

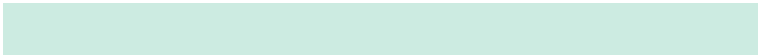
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4290, 0.3258, 0.3540



77.4290, 0.3117, 0.3498



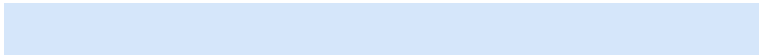
77.4290, 0.2981, 0.3396

# Triad

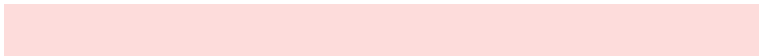
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4290, 0.3117, 0.3498



77.4290, 0.2893, 0.3068



77.4290, 0.3375, 0.3307

# Complementary

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



77.4290, 0.3117, 0.3498



71.2724, 0.3137, 0.3090

# 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.



77.4290, 0.3273, 0.3187



77.4290, 0.3117, 0.3498



77.4290, 0.2994, 0.3051

# Square

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



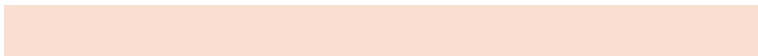
77.4290, 0.3117, 0.3498



77.4290, 0.2853, 0.3145



77.4290, 0.3132, 0.3094



77.4290, 0.3409, 0.3426



# Rectangle

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



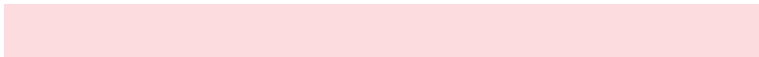
77.4290, 0.3117, 0.3498



77.4290, 0.2911, 0.3310



77.4290, 0.3132, 0.3094



77.4290, 0.3347, 0.3265

# Sweetspot

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



77.4323, 0.3117, 0.3498



98.7224, 0.3125, 0.3339



80.4688, 0.3249, 0.3491



21.1440, 0.3125, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

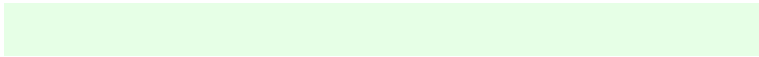


# Same Dimension

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



77.4323, 0.3117, 0.3498



93.9500, 0.3115, 0.3549



77.9309, 0.3059, 0.3393



16.8629, 0.3115, 0.3533



33.0693, 0.2999, 0.5998



2.5970, 0.2998, 0.5992



# Inverse Universe

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



71.2724, 0.3137, 0.3090



84.7906, 0.3139, 0.3044



70.7451, 0.3202, 0.3189



15.3129, 0.3139, 0.3059



13.1449, 0.3217, 0.1546

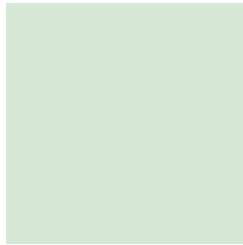


1.0325, 0.3216, 0.1545



# Previews

## White Background



This preview shows how the Yxy color 77.4290, 0.3117, 0.3498 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

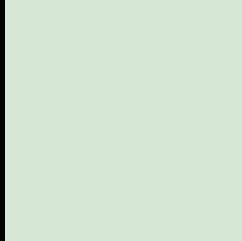
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4290, 0.3117, 0.3498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

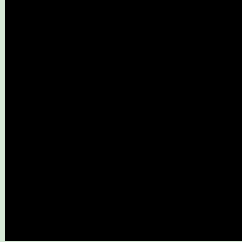
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

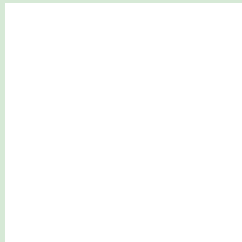
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.4290, 0.3117, 0.3498**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4290, 0.3117, 0.3498.

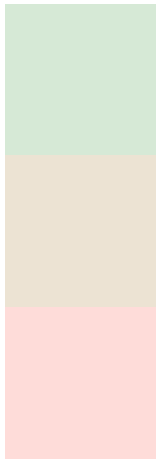


This preview shows how white text looks on a background with the Yxy color 77.4290, 0.3117, 0.3498.

# 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**

77.4290, 0.3117, 0.3498

**Protanopia**

77.4742, 0.3296, 0.3459

**Deuteranopia**

77.2670, 0.3395, 0.3321



## Tritanopia

77.2007, 0.2955, 0.3100

# Trichromacy



**Original Color**

77.4290, 0.3117, 0.3498

**Protanomaly**

77.2861, 0.3230, 0.3472

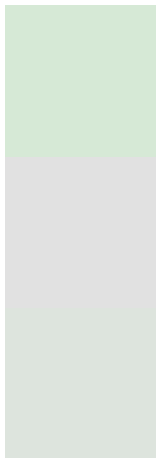
**Deuteranomaly**

77.1590, 0.3286, 0.3384

**Tritanomaly**

77.2859, 0.3015, 0.3247

# Monochromacy



**Original Color**

77.4290, 0.3117, 0.3498

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

76.0794, 0.3124, 0.3365

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4290, 0.3117, 0.3498 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, 233, 214)` looks like.

```
.text, #text, p{  
    color:rgb(214, 233, 214)  
}
```

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, 233, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 233, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4290, 0.3117, 0.3498 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, 233, 214) }
```

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

```
.border{ border-color:rgb(214, 233, 214) }
```

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

Here you see how a box with a 4 pixel rgb(214, 233, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 233, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 233, 214);  
box-shadow:4px 4px 4px 4px rgb(214, 233,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4290, 0.3117, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 233, 214) }
```

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

```
.background{ background-color: rgb(214,  
233, 214) }
```

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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