

Converting Colors

$Yxy(77.1735, 0.3304, 0.3858)$

Have a look what the booklet for
Yxy(77.1735, 0.3304, 0.3858)
contains.

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Color

Yxy(77.1735, 0.3304, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	D6EBB8
RGB	214, 235, 184
RGB Percent	84%, 92%, 72%
CMY	0.1608, 0.0784, 0.2784
CMYK	0.09, 0.00, 0.22, 0.08
HSL	85°, 56%, 82%
HSV	85°, 22%, 92%
XYZ	66.0916, 77.1735, 56.7699
YIQ	222.9070, 3.8550, -20.3130

Conversions

Conversions Part 2

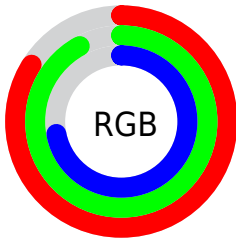
Format	Color
RYB	184, 235, 205
Decimal	14085048
CIELab	90.40, -15.66, 22.48
CIElCh	90, 27.395, 124.861
Yxy	77.1735, 0.3304, 0.3858
Android (android.graphics.Color)	4292275128 (0xFFD6EBB8)
YUV	222.9070, -19.1812, -7.8114
Hunter-Lab	87.8484, -19.4428, 23.1792

Details

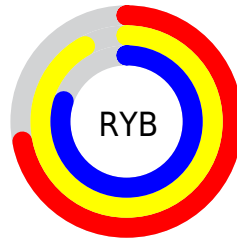
The Yxy color **77.1735, 0.3304, 0.3858** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.2717, 0.2918, 0.2712**, and the grayscale version is **73.8612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **41.2498, 0.3339, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **74.8574, 0.3381, 0.4143**, and if you desaturate by 10%, it is **79.7467, 0.3223, 0.3586**.

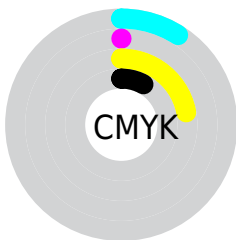
Distribution



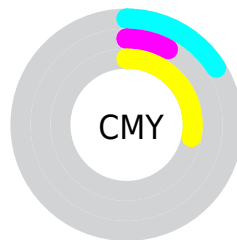
- Red (84%)
- Green (92%)
- Blue (72%)



- Red (72%)
- Yellow (92%)
- Blue (80%)



- Cyan (9%)
- Magenta (0%)
- Yellow (22%)
- Black (8%)





- Cyan (16%)
- Magenta (8%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1735, 0.3304, 0.3858 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 77.1735, 0.3304, 0.3858 by changing the saturation by 10% instead.


 77.1735, 0.3304,
0.3858

 77.1735, 0.3304,
0.3858


485.3554, 0.3227,
0.3591

 57.3953, 0.3320,
0.3920

 129.3844, 0.3278,
0.3765

 41.3227, 0.3339,
0.3997

162.5858, 0.3268,
0.3729

 28.5713, 0.3362,
0.4094

201.0304, 0.3259,
0.3698

 18.7568, 0.3390,
0.4223

245.1027, 0.3251,
0.3671

 11.4947, 0.3424,
0.4399

295.1869, 0.3244,
0.3647

 6.4006, 0.3463,
0.4653

351.6675, 0.3238,

 3.0902, 0.3501,

0.3626

0.5049

414.9288, 0.3232,
0.3608

■ 1.1790, 0.3766,
0.6234

■ 0.0444, 0.0000,
1.0000

■ 77.1735, 0.3304,
0.3858

■ 77.1735, 0.3304,
0.3858

■ 74.8574, 0.3381,
0.4143

■ 79.7467, 0.3223,
0.3586

■ 72.7788, 0.3450,
0.4434

■ 82.5758, 0.3141,
0.3331

■ 70.9307, 0.3506,
0.4718

■ 85.6728, 0.3061,
0.3097

■ 69.3019, 0.3545,
0.4984

■ 87.4730, 0.3121,
0.3097

■ 67.8800, 0.3562,
0.5217

■ 87.9002, 0.3136,
0.3097

■ 66.6509, 0.3554,
0.5404

■ 65.5980, 0.3523,
0.5539

■ 64.8366, 0.3484,
0.5616

Harmonies

Analogous

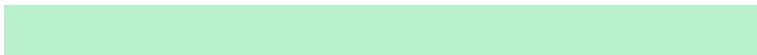
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1735, 0.3590, 0.3835



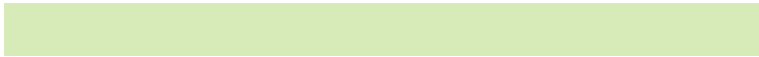
77.1735, 0.3304, 0.3858



77.1735, 0.2981, 0.3705

Triad

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



77.1735, 0.3304, 0.3858



77.1735, 0.2534, 0.2880



77.1735, 0.3557, 0.3146

Complementary

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



77.1735, 0.3304, 0.3858



53.2717, 0.2918, 0.2712

Split Complementary

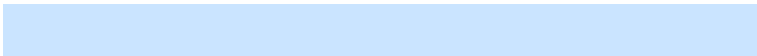
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1735, 0.3252, 0.2922



77.1735, 0.3304, 0.3858



77.1735, 0.2669, 0.2766

Square

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



77.1735, 0.3304, 0.3858



77.1735, 0.2547, 0.3116



77.1735, 0.2927, 0.2784



77.1735, 0.3744, 0.3413

Rectangle

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



77.1735, 0.3304, 0.3858



77.1735, 0.2788, 0.3526



77.1735, 0.2927, 0.2784



77.1735, 0.3464, 0.3064

Sweetspot

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



77.1769, 0.3304, 0.3858



97.5346, 0.3185, 0.3465



64.5078, 0.3520, 0.3515



20.8325, 0.3190, 0.3480



0.0000, 0.0000, 0.0000



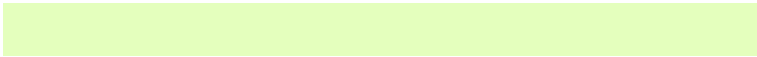
21.4041, 0.3127, 0.3290

Same Dimension

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



77.1769, 0.3304, 0.3858



91.6222, 0.3339, 0.3983



73.7157, 0.3133, 0.3889



17.2997, 0.3205, 0.3527



36.1590, 0.3494, 0.5608



2.8955, 0.3588, 0.5533

Inverse Universe

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



53.2717, 0.2918, 0.2712



58.0888, 0.2867, 0.2582



57.0956, 0.3112, 0.2744



14.8521, 0.3044, 0.3051



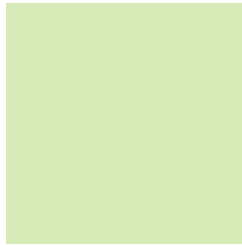
4.8186, 0.1866, 0.0802



0.4335, 0.2021, 0.0887

Previews

White Background



This preview shows how the Yxy color 77.1735, 0.3304, 0.3858 looks on a white background.

Color Contrast Check

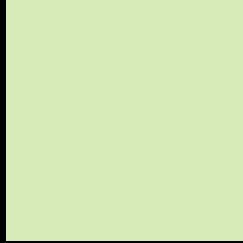
Large Text (above 18pt) WCAG AA × Fail

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 77.1735, 0.3304, 0.3858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

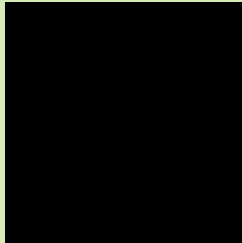
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

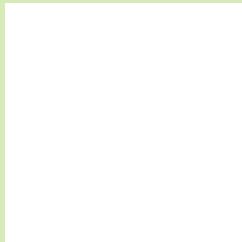
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1735, 0.3304, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 77.1735, 0.3304, 0.3858.

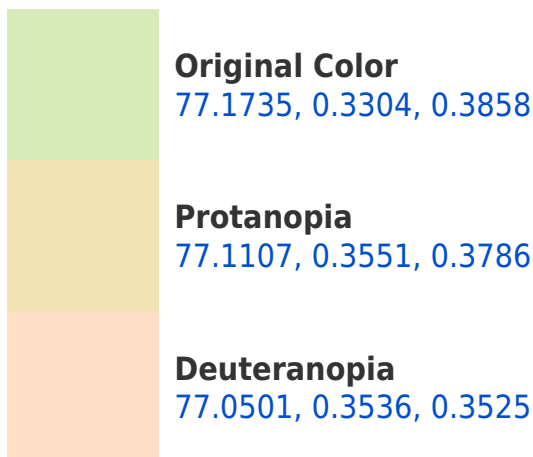


This preview shows how white text looks on a background with the Yxy color 77.1735, 0.3304, 0.3858.

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

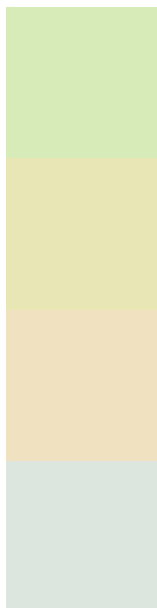




Tritanopia

77.2187, 0.2988, 0.3102

Trichromacy



Original Color

77.1735, 0.3304, 0.3858

Protanomaly

77.0856, 0.3463, 0.3818

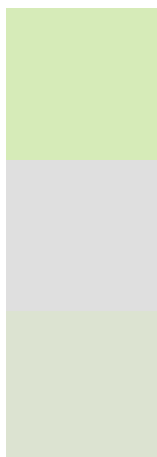
Deuteranomaly

76.7682, 0.3449, 0.3639

Tritanomaly

77.1370, 0.3103, 0.3365

Monochromacy



Original Color

77.1735, 0.3304, 0.3858

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7573, 0.3195, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1735, 0.3304, 0.3858 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, 235, 184)` looks like.

```
.text, #text, p{  
    color:rgb(214, 235, 184)  
}
```

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, 235, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 235, 184) }
```

Border

The CSS property to change the border of an element to Yxy 77.1735, 0.3304, 0.3858 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, 235, 184) }
```

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

```
.border{ border-color:rgb(214, 235, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 235, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 235, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 235, 184);  
box-shadow:4px 4px 4px 4px rgb(214, 235,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1735, 0.3304, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 235, 184) }
```

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

```
.background{ background-color: rgb(214,  
235, 184) }
```

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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