

Converting Colors

$Yxy(77.7781, 0.3325, 0.4097)$

Have a look what the booklet for
Yxy(77.7781, 0.3325, 0.4097)
contains.

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Color

Yxy(77.9847, 0.3325, 0.4107)

Conversions

Conversions Part 1

Format	Color
Hex	CCF0A8
RGB	204, 240, 168
RGB Percent	80%, 94%, 66%
CMY	0.1999, 0.0588, 0.3412
CMYK	0.15, 0.00, 0.30, 0.06
HSL	90°, 71%, 80%
HSV	90°, 30%, 94%
XYZ	63.1359, 77.9847, 48.7618
YIQ	221.0280, 1.6560, -30.0240

Conversions

Conversions Part 2

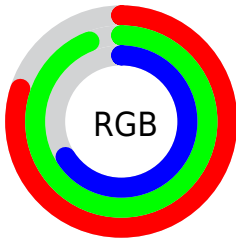
Format	Color
RYB	168, 240, 204
Decimal	13430952
CIELab	90.77, -23.96, 31.08
CIELCh	91, 39.242, 127.638
Yxy	77.9847, 0.3325, 0.4107
Android (android.graphics.Color)	4291621032 (0xFFCCF0A8)
YUV	221.0280, -26.1428, -14.9336
Hunter-Lab	88.3089, -26.9233, 29.0779

Details

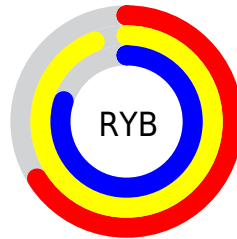
The Yxy color **77.9847, 0.3325, 0.4107** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **47.1201, 0.2869, 0.2475**, and the grayscale version is **72.5184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **41.9083, 0.3359, 0.4315** is the 20% darker color. If you saturate the color by 10%, you get **75.5454, 0.3381, 0.4408**, and if you desaturate by 10%, it is **80.7262, 0.3262, 0.3816**.

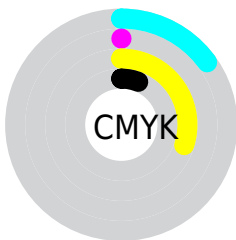
Distribution



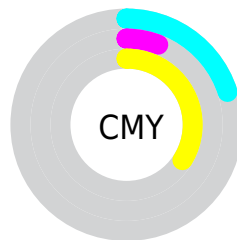
- Red (80%)
- Green (94%)
- Blue (66%)



- Red (66%)
- Yellow (94%)
- Blue (80%)



- Cyan (15%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)



- Cyan (20%)
- Magenta (6%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9847, 0.3325, 0.4107 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 77.9847, 0.3325, 0.4107 by changing the saturation by 10% instead.


 77.9847, 0.3325,
0.4107


 77.9847, 0.3325,
0.4107


488.1149, 0.3244,
0.3720

 58.0614, 0.3340,
0.4197


 130.5286, 0.3299,
0.3971

 41.8580, 0.3358,
0.4309


 163.9179, 0.3289,
0.3919

 28.9901, 0.3377,
0.4451


202.5647, 0.3279,
0.3874

 19.0734, 0.3396,
0.4638

246.8534, 0.3271,
0.3835

 11.7233, 0.3414,
0.4893

297.1684, 0.3263,
0.3801

 6.5556, 0.3417,
0.5255


353.8940, 0.3256,


 3.1857, 0.3449,


0.3771

0.5934


417.4147, 0.3250,
0.3744

 1.2295, 0.3085,
0.6915


 0.0856, 0.0000,
1.0000

 77.9847, 0.3325,
0.4107


 77.9847, 0.3325,
0.4107


 75.5454, 0.3381,
0.4408


 80.7262, 0.3262,
0.3816

 73.3861, 0.3425,
0.4708

 83.7709, 0.3195,
0.3543

 71.4972, 0.3452,
0.4993

 87.1328, 0.3127,
0.3290

 69.8644, 0.3460,
0.5249

 90.2297, 0.3114,
0.3145

■ 68.4718, 0.3446,
0.5459

■ 90.7989, 0.3134,
0.3146

■ 67.3009, 0.3409,
0.5615

■ 66.3229, 0.3356,
0.5718

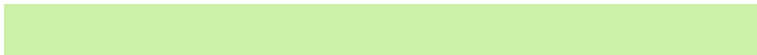
Harmonies

Analogous

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



77.9847, 0.3745, 0.4077



77.9847, 0.3325, 0.4107



77.9847, 0.2871, 0.3864

Triad

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



77.9847, 0.3325, 0.4107



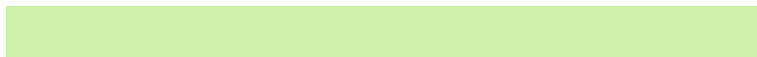
77.9847, 0.2309, 0.2682



77.9847, 0.3775, 0.3114

Complementary

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



77.9847, 0.3325, 0.4107



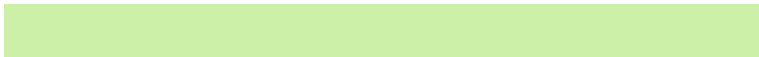
47.1201, 0.2869, 0.2475

Split Complementary

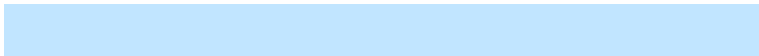
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9847, 0.3344, 0.2802



77.9847, 0.3325, 0.4107



77.9847, 0.2509, 0.2552

Square

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



77.9847, 0.3325, 0.4107



77.9847, 0.2306, 0.2992



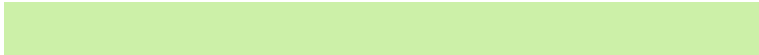
77.9847, 0.2878, 0.2601



77.9847, 0.4025, 0.3481

Rectangle

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



77.9847, 0.3325, 0.4107



77.9847, 0.2610, 0.3587



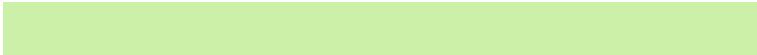
77.9847, 0.2878, 0.2601



77.9847, 0.3645, 0.3001

Sweetspot

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



77.9881, 0.3325, 0.4107



96.4999, 0.3188, 0.3517



63.9645, 0.3690, 0.3670



20.5399, 0.3198, 0.3555



0.0000, 0.0000, 0.0000



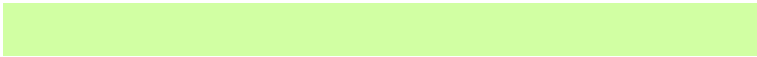
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9881, 0.3325, 0.4107



87.7500, 0.3360, 0.4290



73.6009, 0.3093, 0.4168



18.0451, 0.3191, 0.3529



36.3861, 0.3367, 0.5708



3.0861, 0.3466, 0.5630

Inverse Universe

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



47.1201, 0.2869, 0.2475



47.0468, 0.2802, 0.2293



52.6060, 0.3152, 0.2541



15.6164, 0.3058, 0.3051



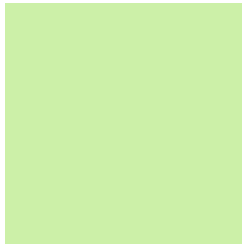
5.7029, 0.2022, 0.0888



0.5336, 0.2165, 0.0966

Previews

White Background



This preview shows how the Yxy color 77.9847, 0.3325, 0.4107 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 77.9847, 0.3325, 0.4107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

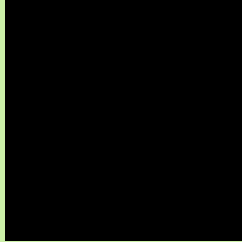
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

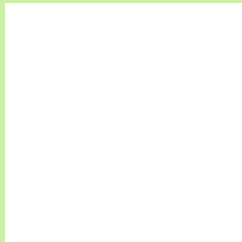
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9847, 0.3325, 0.4107

Background



This preview shows how black text looks on a background with the Yxy color 77.9847, 0.3325, 0.4107.

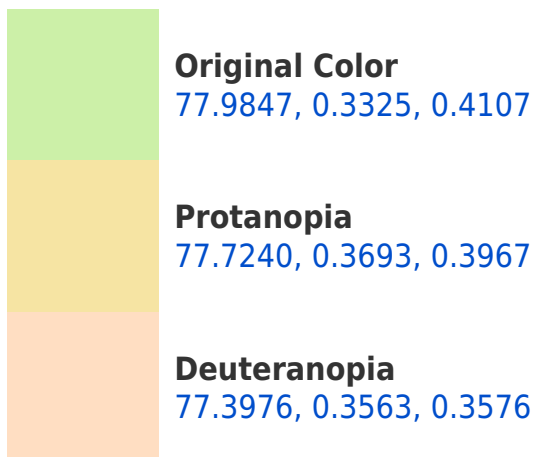


This preview shows how white text looks on a background with the Yxy color 77.9847, 0.3325, 0.4107.

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

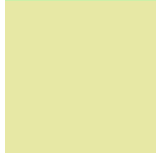
77.9699, 0.2925, 0.3100

Trichromacy



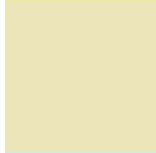
Original Color

77.9847, 0.3325, 0.4107



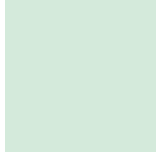
Protanomaly

77.4188, 0.3556, 0.4012



Deuteranomaly

77.3743, 0.3468, 0.3759



Tritanomaly

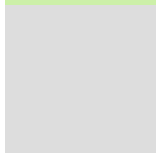
77.9572, 0.3073, 0.3454

Monochromacy



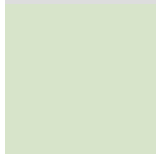
Original Color

77.9847, 0.3325, 0.4107



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.1981, 0.3204, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9847, 0.3325, 0.4107 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(204, 240, 168)` looks like.

```
.text, #text, p{  
    color:rgb(204, 240, 168)  
}
```

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(204, 240, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 240, 168) }
```

Border

The CSS property to change the border of an element to Yxy 77.9847, 0.3325, 0.4107 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(204, 240, 168) }
```

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

```
.border{ border-color:rgb(204, 240, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 240, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 240, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 240, 168); box-shadow:4px 4px 4px 4px rgb(204, 240, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9847, 0.3325, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 240, 168) }
```

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

```
.background{ background-color: rgb(204,  
240, 168) }
```

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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