

Converting Colors

Yxy(68.5964, 0.3089, 0.4119)

Have a look what the booklet for
Yxy(68.5964, 0.3089, 0.4119)
contains.

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Color

Yxy(68.5734, 0.3088, 0.4115)

Conversions

Conversions Part 1

Format	Color
Hex	A6E8A6
RGB	166, 232, 166
RGB Percent	65%, 91%, 65%
CMY	0.3492, 0.0901, 0.3489
CMYK	0.28, 0.00, 0.28, 0.09
HSL	120°, 59%, 78%
HSV	120°, 28%, 91%
XYZ	51.4592, 68.5734, 46.6099
YIQ	204.7420, -18.1500, -34.5180

Conversions

Conversions Part 2

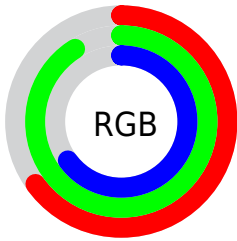
Format	Color
RYB	166, 232, 232
Decimal	10938534
CIELab	86.29, -33.40, 25.64
CIELCh	86, 42.103, 142.492
Yxy	68.5734, 0.3088, 0.4115
Android (android.graphics.Color)	4289128614 (0xFFA6E8A6)
YUV	204.7420, -19.0998, -33.9767
Hunter-Lab	82.8091, -33.9924, 24.5944

Details

The Yxy color **68.5734, 0.3088, 0.4115** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.2357, 0.3161, 0.2583**, and the grayscale version is **61.0065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2701, 0.3117, 0.3643**, and **35.7103, 0.3062, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **65.5164, 0.3072, 0.4463**, and if you desaturate by 10%, it is **72.2417, 0.3103, 0.3794**.

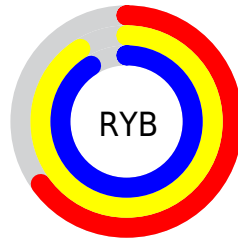
Distribution



Red (65%)

Green (91%)

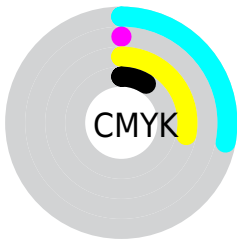
Blue (65%)



Red (65%)

Yellow (91%)

Blue (91%)

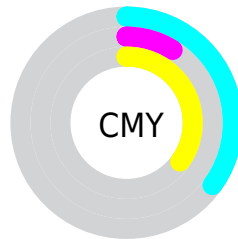


Cyan (28%)

Magenta (0%)

Yellow (28%)

Black (9%)



Cyan (35%)


Magenta (9%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5734, 0.3088, 0.4115 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 68.5734, 0.3088, 0.4115 by changing the saturation by 10% instead.


 68.5734, 0.3088,
0.4115


 68.5734, 0.3088,
0.4115


455.5249, 0.3117,
0.3710

 50.3644, 0.3078,
0.4213

 117.1721, 0.3100,
0.3970

 35.7030, 0.3065,
0.4338


 148.3305, 0.3105,
0.3915

 24.2049, 0.3044,
0.4500


184.5741, 0.3108,
0.3868

 15.4857, 0.3012,
0.4720

226.2874, 0.3110,
0.3827

 9.1610, 0.2957,
0.5034

273.8548, 0.3112,
0.3792

 4.8463, 0.2854,
0.5510


327.6605, 0.3114,

 2.1574, 0.2788,


0.3762

0.6681


388.0891, 0.3116,
0.3734


 0.6966, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.5734, 0.3088,
0.4115


 68.5734, 0.3088,
0.4115


 65.5164, 0.3072,
0.4463


 72.2417, 0.3103,
0.3794


 63.0295, 0.3055,
0.4824

 76.5427, 0.3117,
0.3506

 61.0799, 0.3038,
0.5175

 81.5075, 0.3129,
0.3254

 59.6280, 0.3023,
0.5491

 86.2005, 0.3138,
0.3068

■ 58.6288, 0.3012,
0.5742

■ 58.0290, 0.3004,
0.5909

■ 57.7517, 0.3000,
0.5990

■ 57.7211, 0.3000,
0.5999

Harmonies

Analogous

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



68.5734, 0.3593, 0.4227



68.5734, 0.3088, 0.4115



68.5734, 0.2617, 0.3710

Triad

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



68.5734, 0.3088, 0.4115



68.5734, 0.2303, 0.2516



68.5734, 0.4027, 0.3288

Complementary

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



68.5734, 0.3088, 0.4115



50.2357, 0.3161, 0.2583

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.



68.5734, 0.3624, 0.2906



68.5734, 0.3088, 0.4115



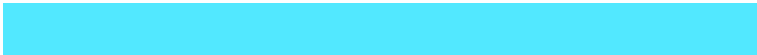
68.5734, 0.2621, 0.2476

Square

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



68.5734, 0.3088, 0.4115



68.5734, 0.2190, 0.2758



68.5734, 0.3098, 0.2618



68.5734, 0.4161, 0.3695

Rectangle

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



68.5734, 0.3088, 0.4115



68.5734, 0.2382, 0.3361



68.5734, 0.3098, 0.2618



68.5734, 0.3917, 0.3154

Sweetspot

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



68.5763, 0.3088, 0.4115



94.5146, 0.3116, 0.3522



77.6299, 0.3557, 0.4000



20.0538, 0.3114, 0.3562



0.0000, 0.0000, 0.0000



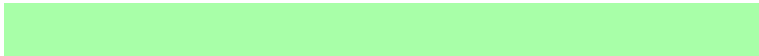
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5763, 0.3088, 0.4115



82.7196, 0.3079, 0.4311



69.9450, 0.2897, 0.3692



16.0894, 0.3116, 0.3533



32.0406, 0.3000, 0.5999



2.3678, 0.2999, 0.5997

Inverse Universe

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



50.2357, 0.3161, 0.2583



56.5902, 0.3168, 0.2444



48.5355, 0.3444, 0.2922



14.6150, 0.3138, 0.3059



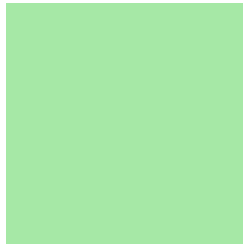
12.7510, 0.3212, 0.1543



0.9423, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 68.5734, 0.3088, 0.4115 looks on a white background.

Color Contrast Check

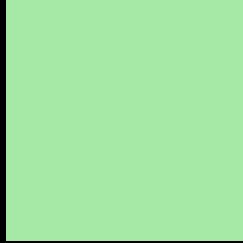
Large Text (above 18pt) WCAG AA × Fail

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 68.5734, 0.3088, 0.4115 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 68.5734, 0.3088, 0.4115

Background



This preview shows how black text looks on a background with the Yxy color 68.5734, 0.3088, 0.4115.



This preview shows how white text looks on a background with the Yxy color 68.5734, 0.3088, 0.4115.

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

68.5734, 0.3088, 0.4115

Protanopia

68.0584, 0.3653, 0.3920

Deuteranopia

68.0752, 0.3743, 0.3669



Tritanopia

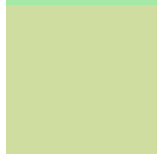
68.1175, 0.2735, 0.3083

Trichromacy



Original Color

68.5734, 0.3088, 0.4115



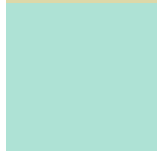
Protanomaly

67.5515, 0.3428, 0.3991



Deuteranomaly

67.1920, 0.3485, 0.3824



Tritanomaly

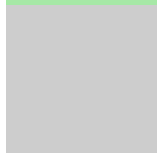
68.1955, 0.2862, 0.3444

Monochromacy



Original Color

68.5734, 0.3088, 0.4115



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.4388, 0.3114, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5734, 0.3088, 0.4115 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(166, 232, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 232, 166)  
}
```

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(166, 232, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 232, 166) }
```

Border

The CSS property to change the border of an element to Yxy 68.5734, 0.3088, 0.4115 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(166, 232, 166) }
```

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

```
.border{ border-color:rgb(166, 232, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 232, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 232, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 232, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 232,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5734, 0.3088, 0.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 232, 166) }
```

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

```
.background{ background-color: rgb(166,  
232, 166) }
```

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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