

Converting Colors

$Yxy(75.9485, 0.3150, 0.4365)$

Have a look what the booklet for
Yxy(75.9485, 0.3150, 0.4365)
contains.

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Color

Yxy(76.0299, 0.3148, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	A8F59C
RGB	168, 245, 156
RGB Percent	66%, 96%, 61%
CMY	0.3413, 0.0392, 0.3883
CMYK	0.31, 0.00, 0.36, 0.04
HSL	112°, 82%, 79%
HSV	112°, 36%, 96%
XYZ	54.7944, 76.0299, 43.2368
YIQ	211.8310, -17.3230, -44.0030

Conversions

Conversions Part 2

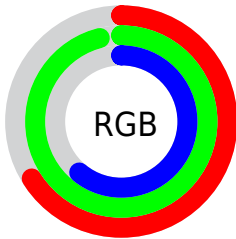
Format	Color
RYB	156, 245, 233
Decimal	11072924
CIELab	89.87, -40.21, 35.54
CIELCh	90, 53.665, 138.533
Yxy	76.0299, 0.3148, 0.4368
Android (android.graphics.Color)	4289263004 (0xFFA8F59C)
YUV	211.8310, -27.5247, -38.4398
Hunter-Lab	87.1951, -40.4200, 31.6369

Details

The Yxy color **76.0299, 0.3148, 0.4368** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.7010, 0.3068, 0.2361**, and the grayscale version is **65.9108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2307, 0.3193, 0.3748**, and **40.4766, 0.3128, 0.4640** is the 20% darker color. If you saturate the color by 10%, you get **73.1448, 0.3144, 0.4715**, and if you desaturate by 10%, it is **79.4685, 0.3146, 0.4035**.

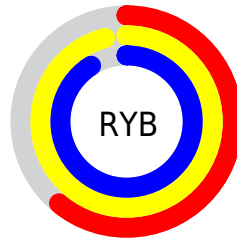
Distribution



Red (66%)

Green (96%)

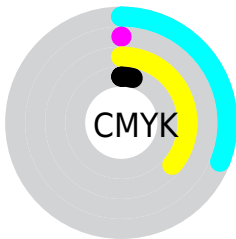
Blue (61%)



Red (61%)

Yellow (96%)

Blue (91%)

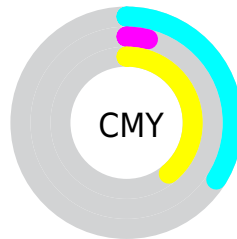


Cyan (31%)

Magenta (0%)

Yellow (36%)

Black (4%)



Cyan (34%)


Magenta (4%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0299, 0.3148, 0.4368 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 76.0299, 0.3148, 0.4368 by changing the saturation by 10% instead.


 76.0299, 0.3148,
0.4368

 76.0299, 0.3148,
0.4368


481.4500, 0.3157,
0.3845

 56.4570, 0.3141,
0.4493


 127.7692, 0.3155,
0.4182

 40.5695, 0.3129,
0.4649


 160.7044, 0.3156,
0.4111

 27.9828, 0.3110,
0.4850


198.8624, 0.3157,
0.4050

 18.3127, 0.3076,
0.5117

242.6278, 0.3158,
0.3998

 11.1747, 0.3014,
0.5485

292.3849, 0.3158,
0.3952

 6.1845, 0.2891,
0.6016


348.5180, 0.3157,

 2.9576, 0.2780,


0.3912


0.7220

411.4116, 0.3157,
0.3876


 1.1096, 0.0490,
0.9510

 0.0000, 0.0000,
0.0000

 76.0299, 0.3148,
0.4368


 76.0299, 0.3148,
0.4368


 73.1448, 0.3144,
0.4715

 79.4685, 0.3146,
0.4035


 70.7749, 0.3135,
0.5060

 83.4773, 0.3141,
0.3727

 68.8924, 0.3118,
0.5378

 88.0842, 0.3133,
0.3449

 67.4627, 0.3095,
0.5644

 93.3124, 0.3123,
0.3204

■ 66.4467, 0.3068,
0.5838

■ 93.7927, 0.3132,
0.3195

■ 65.7978, 0.3039,
0.5950

■ 65.6348, 0.3030,
0.5976

Harmonies

Analogous

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



76.0299, 0.3757, 0.4432



76.0299, 0.3148, 0.4368



76.0299, 0.2564, 0.3895

Triad

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



76.0299, 0.3148, 0.4368



76.0299, 0.2102, 0.2374



76.0299, 0.4188, 0.3209

Complementary

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



76.0299, 0.3148, 0.4368



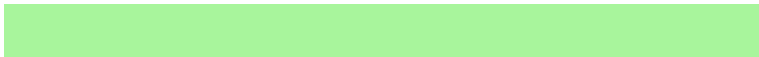
47.7010, 0.3068, 0.2361

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.



76.0299, 0.3653, 0.2770



76.0299, 0.3148, 0.4368



76.0299, 0.2446, 0.2305

Square

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



76.0299, 0.3148, 0.4368



76.0299, 0.2001, 0.2685



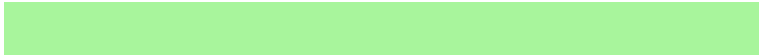
76.0299, 0.3000, 0.2450



76.0299, 0.4398, 0.3695

Rectangle

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



76.0299, 0.3148, 0.4368



76.0299, 0.2267, 0.3456



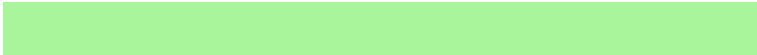
76.0299, 0.3000, 0.2450



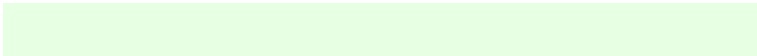
76.0299, 0.4038, 0.3054

Sweetspot

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



76.0331, 0.3148, 0.4368



94.0056, 0.3137, 0.3575



79.3372, 0.3720, 0.4075



19.9751, 0.3138, 0.3613



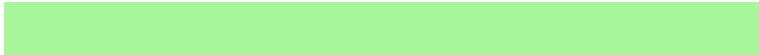
0.0000, 0.0000, 0.0000



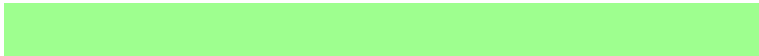
21.4041, 0.3127, 0.3290

Same Dimension

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



76.0331, 0.3148, 0.4368



80.7539, 0.3146, 0.4637



75.9746, 0.2911, 0.3995



18.5787, 0.3136, 0.3533



35.3879, 0.3036, 0.5971



3.1429, 0.3099, 0.5922

Inverse Universe

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



47.7010, 0.3068, 0.2361



45.3165, 0.3049, 0.2168



48.0381, 0.3440, 0.2680



16.6488, 0.3116, 0.3055



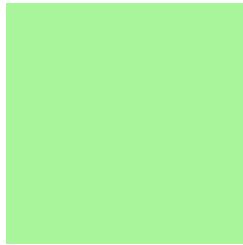
11.1426, 0.2872, 0.1356



1.0099, 0.2917, 0.1380

Previews

White Background



This preview shows how the Yxy color 76.0299, 0.3148, 0.4368 looks on a white background.

Color Contrast Check

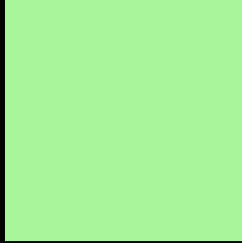
Large Text (above 18pt) WCAG AA × Fail

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 76.0299, 0.3148, 0.4368 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 76.0299, 0.3148, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 76.0299, 0.3148, 0.4368.

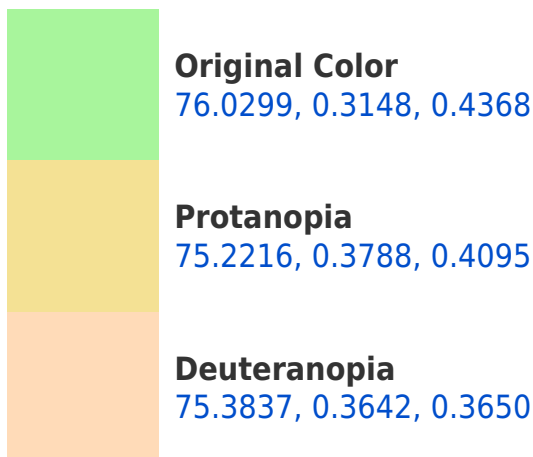


This preview shows how white text looks on a background with the Yxy color 76.0299, 0.3148, 0.4368.

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

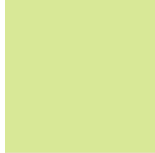
75.6204, 0.2717, 0.3080

Trichromacy



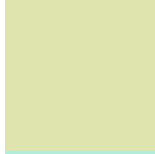
Original Color

76.0299, 0.3148, 0.4368



Protanomaly

74.5465, 0.3533, 0.4196



Deuteranomaly

74.2308, 0.3447, 0.3887



Tritanomaly

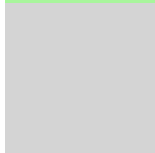
75.1618, 0.2876, 0.3521

Monochromacy



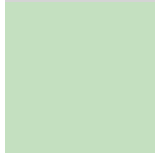
Original Color

76.0299, 0.3148, 0.4368



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.8528, 0.3137, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0299, 0.3148, 0.4368 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(168, 245, 156)` looks like.

```
.text, #text, p{  
    color:rgb(168, 245, 156)  
}
```

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(168, 245, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 245, 156) }
```

Border

The CSS property to change the border of an element to Yxy 76.0299, 0.3148, 0.4368 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(168, 245, 156) }
```

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

```
.border{ border-color:rgb(168, 245, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 245, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 245, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 245, 156);  
box-shadow:4px 4px 4px 4px rgb(168, 245,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0299, 0.3148, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 245, 156) }
```

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

```
.background{ background-color: rgb(168,  
245, 156) }
```

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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