

Converting Colors

$Y_{xy}(76.1019, 0.3001, 0.4012)$

Have a look what the booklet for
Yxy(76.1019, 0.3001, 0.4012)
contains.

Yxy(75.8449, 0.3002, 0.4012)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(75.8449, 0.3002, 0.4012)

Conversions

Conversions Part 1

Format	Color
Hex	A8F3B7
RGB	168, 243, 183
RGB Percent	66%, 95%, 72%
CMY	0.3410, 0.0471, 0.2823
CMYK	0.31, 0.00, 0.25, 0.05
HSL	132°, 76%, 81%
HSV	132°, 31%, 95%
XYZ	56.7513, 75.8449, 56.4489
YIQ	213.7350, -25.4400, -34.5600

Conversions

Conversions Part 2

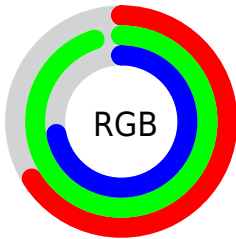
Format	Color
R _Y B	168, 231, 243
Decimal	11072439
CIE Lab	89.79, -34.95, 21.72
CIE LCh	90, 41.149, 148.133
Yxy	75.8449, 0.3002, 0.4012
Android (android.graphics.Color)	4289262519 (0xFFA8F3B7)
YUV	213.7350, -15.1524, -40.1096
Hunter-Lab	87.0890, -36.0866, 22.5320

Details

The Yxy color **75.8449, 0.3002, 0.4012** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.6749, 0.3285, 0.2663**, and the grayscale version is **67.1804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7595, 0.3034, 0.3453**, and **40.3069, 0.2965, 0.4189** is the 20% darker color. If you saturate the color by 10%, you get **72.6702, 0.2966, 0.4297**, and if you desaturate by 10%, it is **79.6362, 0.3042, 0.3750**.

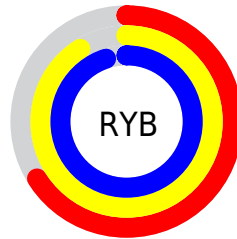
Distribution



Red (66%)

Green (95%)

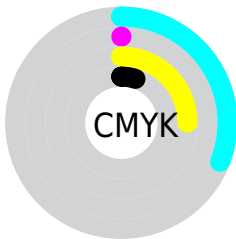
Blue (72%)



Red (66%)

Yellow (91%)

Blue (95%)

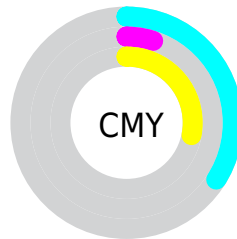


Cyan (31%)

Magenta (0%)

Yellow (25%)

Black (5%)



Cyan (34%)


Magenta (5%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8449, 0.3002, 0.4012 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 75.8449, 0.3002, 0.4012 by changing the saturation by 10% instead.


 75.8449, 0.3002,
0.4012

 75.8449, 0.3002,
0.4012

480.8166, 0.3068,
0.3664

 56.3053, 0.2985,
0.4095


 127.5076, 0.3026,
0.3889

 40.4478, 0.2963,
0.4199


160.3996, 0.3035,
0.3841

 27.8878, 0.2933,
0.4333

198.5112, 0.3043,
0.3801

 18.2411, 0.2891,
0.4513

242.2267, 0.3049,
0.3766

 11.1232, 0.2828,
0.4765

291.9306, 0.3055,
0.3736

 6.1498, 0.2724,
0.5143

348.0073, 0.3060,

 2.9364, 0.2535,

0.3709

410.8412, 0.3064,
0.3685

0.5764

1.0986, 0.1386,
0.8614

0.0000, 0.0000,
0.0000

75.8449, 0.3002,
0.4012

75.8449, 0.3002,
0.4012

72.6702, 0.2966,
0.4297

79.6362, 0.3042,
0.3750

70.0702, 0.2937,
0.4597

84.0645, 0.3083,
0.3515

68.0127, 0.2916,
0.4901

89.1610, 0.3124,
0.3307

66.4582, 0.2907,
0.5194

92.5806, 0.3133,
0.3175

■ 65.3620, 0.2912,
0.5457

■ 64.6710, 0.2929,
0.5674

■ 64.3184, 0.2951,
0.5823

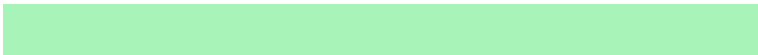
Harmonies

Analogous

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



75.8449, 0.3485, 0.4177



75.8449, 0.3002, 0.4012



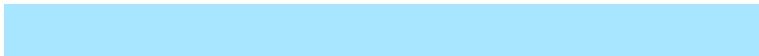
75.8449, 0.2574, 0.3596

Triad

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



75.8449, 0.3002, 0.4012



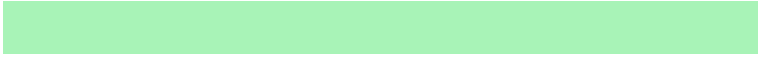
75.8449, 0.2387, 0.2534



75.8449, 0.4023, 0.3364

Complementary

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



75.8449, 0.3002, 0.4012



52.6749, 0.3285, 0.2663

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.



75.8449, 0.3682, 0.2990



75.8449, 0.3002, 0.4012



75.8449, 0.2724, 0.2529

Square

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



75.8449, 0.3002, 0.4012



75.8449, 0.2241, 0.2730



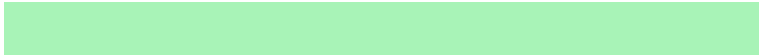
75.8449, 0.3195, 0.2694



75.8449, 0.4096, 0.3748

Rectangle

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



75.8449, 0.3002, 0.4012



75.8449, 0.2373, 0.3267



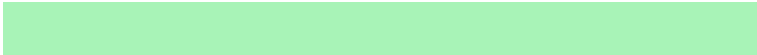
75.8449, 0.3195, 0.2694



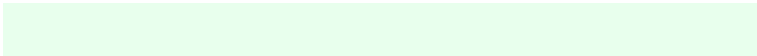
75.8449, 0.3935, 0.3234

Sweetspot

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



75.8481, 0.3002, 0.4012



94.7772, 0.3090, 0.3475



83.6290, 0.3496, 0.4088



20.1179, 0.3084, 0.3507



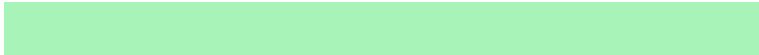
0.0000, 0.0000, 0.0000



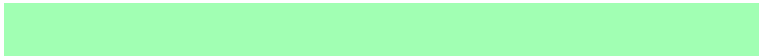
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8481, 0.3002, 0.4012



82.3354, 0.2979, 0.4187



77.5572, 0.2805, 0.3565



18.5261, 0.3088, 0.3485



35.3157, 0.2945, 0.5801



3.1179, 0.2884, 0.5583

Inverse Universe

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



52.6749, 0.3285, 0.2663



52.6929, 0.3325, 0.2536



50.8676, 0.3605, 0.3033



16.7082, 0.3169, 0.3103



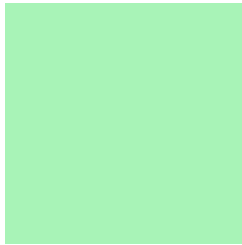
12.6271, 0.3790, 0.1861



1.1239, 0.3703, 0.1813

Previews

White Background



This preview shows how the Yxy color 75.8449, 0.3002, 0.4012 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 75.8449, 0.3002, 0.4012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

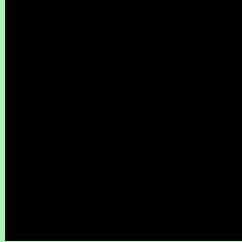
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8449, 0.3002, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 75.8449, 0.3002, 0.4012.

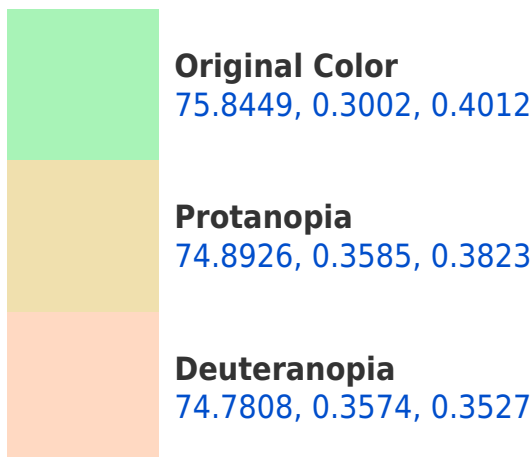


This preview shows how white text looks on a background with the Yxy color 75.8449, 0.3002, 0.4012.

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

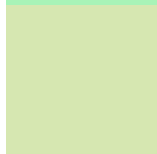
75.7612, 0.2691, 0.3079

Trichromacy



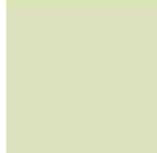
Original Color

75.8449, 0.3002, 0.4012



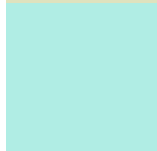
Protanomaly

74.6223, 0.3355, 0.3897



Deuteranomaly

73.7984, 0.3344, 0.3687



Tritanomaly

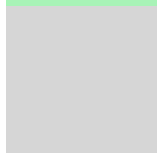
75.3999, 0.2798, 0.3392

Monochromacy



Original Color

75.8449, 0.3002, 0.4012



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.0325, 0.3074, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8449, 0.3002, 0.4012 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, 243, 183)` looks like.

```
.text, #text, p{  
    color:rgb(168, 243, 183)  
}
```

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, 243, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 243, 183) }
```

Border

The CSS property to change the border of an element to Yxy 75.8449, 0.3002, 0.4012 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, 243, 183) }
```

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

```
.border{ border-color:rgb(168, 243, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 243, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 243, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 243, 183);  
box-shadow:4px 4px 4px 4px rgb(168, 243,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8449, 0.3002, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 243, 183) }
```

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

```
.background{ background-color: rgb(168,  
243, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor