

Converting Colors

$Yxy(75.8804, 0.3005, 0.4093)$

Have a look what the booklet for
Yxy(75.8804, 0.3005, 0.4093)
contains.

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Color

Yxy(75.8082, 0.3005, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	A4F4B2
RGB	164, 244, 178
RGB Percent	64%, 96%, 70%
CMY	0.3572, 0.0431, 0.3020
CMYK	0.33, 0.00, 0.27, 0.04
HSL	131°, 78%, 80%
HSV	131°, 33%, 96%
XYZ	55.6841, 75.8082, 53.8125
YIQ	212.5560, -26.4940, -37.4860

Conversions

Conversions Part 2

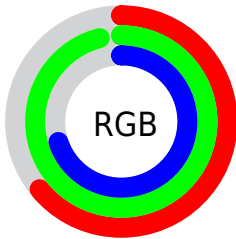
Format	Color
RYB	164, 232, 244
Decimal	10810546
CIELab	89.77, -37.53, 24.24
CIElCh	90, 44.675, 147.146
Yxy	75.8082, 0.3005, 0.4091
Android (android.graphics.Color)	4289000626 (0xFFA4F4B2)
YUV	212.5560, -17.0361, -42.5836
Hunter-Lab	87.0679, -38.2095, 24.3032

Details

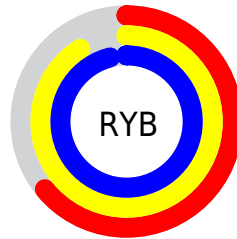
The Yxy color **75.8082, 0.3005, 0.4091** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.4712, 0.3281, 0.2604**, and the grayscale version is **66.3476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8327, 0.3038, 0.3506**, and **40.2725, 0.2963, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **72.7113, 0.2972, 0.4388**, and if you desaturate by 10%, it is **79.5280, 0.3041, 0.3816**.

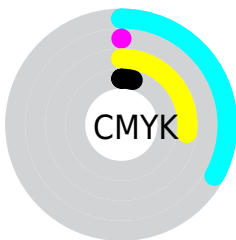
Distribution



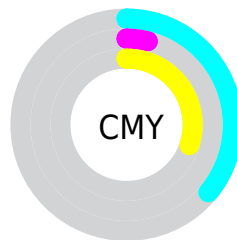
- Red (64%)
- Green (96%)
- Blue (70%)



- Red (64%)
- Yellow (91%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (27%)
- Black (4%)





- Cyan (36%)
- Magenta (4%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8082, 0.3005, 0.4091 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 75.8082, 0.3005, 0.4091 by changing the saturation by 10% instead.


 75.8082, 0.3005,
0.4091


 75.8082, 0.3005,
0.4091

480.6909, 0.3071,
0.3704

 56.2752, 0.2987,
0.4183


 127.4558, 0.3030,
0.3953

 40.4236, 0.2964,
0.4300


 160.3391, 0.3039,
0.3901

 27.8690, 0.2932,
0.4450


198.4415, 0.3047,
0.3856

 18.2269, 0.2887,
0.4651

242.1471, 0.3053,
0.3817

 11.1130, 0.2818,
0.4934

291.8405, 0.3059,
0.3783

 6.1429, 0.2703,
0.5357


347.9060, 0.3063,

 2.9322, 0.2500,


0.3754


0.6073


410.7280, 0.3068,
0.3727


 1.0964, 0.0926,
0.9074


 0.0000, 0.0000,
0.0000


 75.8082, 0.3005,
0.4091


 75.8082, 0.3005,
0.4091


 72.7113, 0.2972,
0.4388

 79.5280, 0.3041,
0.3816


 70.1939, 0.2946,
0.4699

 83.8921, 0.3079,
0.3568

 68.2222, 0.2929,
0.5009

 88.9329, 0.3117,
0.3347

 66.7550, 0.2922,
0.5300

 93.1927, 0.3132,
0.3185

■ 65.7448, 0.2928,
0.5554

■ 65.1350, 0.2945,
0.5754

■ 64.8861, 0.2961,
0.5859

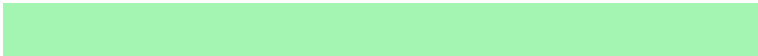
Harmonies

Analogous

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



75.8082, 0.3527, 0.4257



75.8082, 0.3005, 0.4091



75.8082, 0.2540, 0.3640

Triad

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



75.8082, 0.3005, 0.4091



75.8082, 0.2321, 0.2478



75.8082, 0.4093, 0.3351

Complementary

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



75.8082, 0.3005, 0.4091



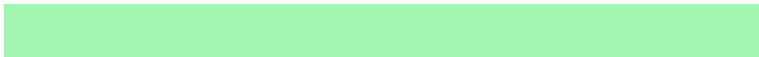
51.4712, 0.3281, 0.2604

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.



75.8082, 0.3714, 0.2953



75.8082, 0.3005, 0.4091



75.8082, 0.2675, 0.2468

Square

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



75.8082, 0.3005, 0.4091



75.8082, 0.2171, 0.2691



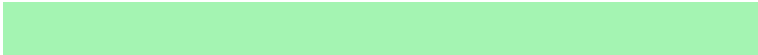
75.8082, 0.3181, 0.2640



75.8082, 0.4181, 0.3765

Rectangle

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



75.8082, 0.3005, 0.4091



75.8082, 0.2320, 0.3279



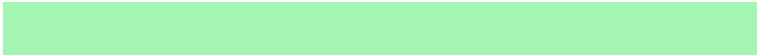
75.8082, 0.3181, 0.2640



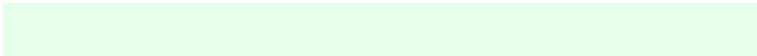
75.8082, 0.3994, 0.3213

Sweetspot

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



75.8114, 0.3005, 0.4091



94.1997, 0.3090, 0.3503



84.3244, 0.3528, 0.4138



20.0013, 0.3084, 0.3535



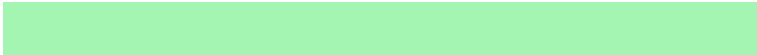
0.0000, 0.0000, 0.0000



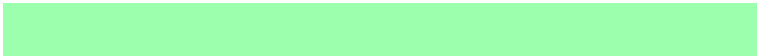
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8114, 0.3005, 0.4091



81.5609, 0.2984, 0.4275



77.6238, 0.2794, 0.3602



18.5195, 0.3092, 0.3491



35.2892, 0.2955, 0.5839



3.1146, 0.2898, 0.5633

Inverse Universe

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



51.4712, 0.3281, 0.2604



51.0318, 0.3318, 0.2475



49.5058, 0.3635, 0.3002



16.7154, 0.3165, 0.3097



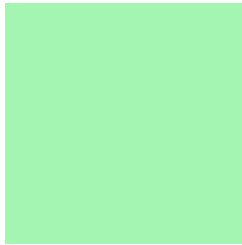
12.7728, 0.3710, 0.1818



1.1354, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 75.8082, 0.3005, 0.4091 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 75.8082, 0.3005, 0.4091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

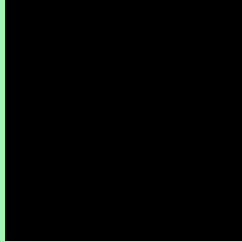
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8082, 0.3005, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 75.8082, 0.3005, 0.4091.

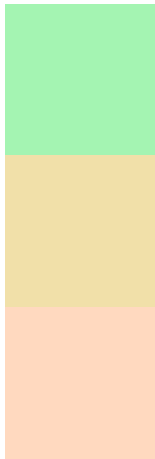


This preview shows how white text looks on a background with the Yxy color 75.8082, 0.3005, 0.4091.

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

75.8082, 0.3005, 0.4091

Protanopia

74.8767, 0.3627, 0.3874

Deuteranopia

74.6473, 0.3596, 0.3558



Tritanopia

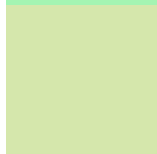
75.5212, 0.2680, 0.3079

Trichromacy



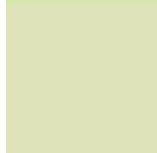
Original Color

75.8082, 0.3005, 0.4091



Protanomaly

74.2765, 0.3380, 0.3956



Deuteranomaly

74.0129, 0.3361, 0.3744



Tritanomaly

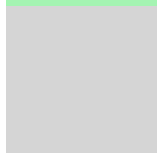
75.6387, 0.2798, 0.3427

Monochromacy



Original Color

75.8082, 0.3005, 0.4091



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.0835, 0.3079, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8082, 0.3005, 0.4091 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(164, 244, 178)` looks like.

```
.text, #text, p{  
    color:rgb(164, 244, 178)  
}
```

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(164, 244, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 244, 178) }
```

Border

The CSS property to change the border of an element to Yxy 75.8082, 0.3005, 0.4091 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(164, 244, 178) }
```

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

```
.border{ border-color:rgb(164, 244, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 244, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 244, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 244, 178);  
box-shadow:4px 4px 4px 4px rgb(164, 244,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8082, 0.3005, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 244, 178) }
```

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

```
.background{ background-color: rgb(164,  
244, 178) }
```

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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