

Converting Colors

$Yxy(75.8300, 0.3004, 0.4230)$

Have a look what the booklet for
Yxy(75.8300, 0.3004, 0.4230)
contains.

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Color

Yxy(75.8817, 0.3002, 0.4224)

Conversions

Conversions Part 1

Format	Color
Hex	9CF6AA
RGB	156, 246, 170
RGB Percent	61%, 96%, 67%
CMY	0.3880, 0.0353, 0.3333
CMYK	0.37, 0.00, 0.31, 0.04
HSL	129°, 83%, 79%
HSV	129°, 37%, 96%
XYZ	53.9292, 75.8817, 49.8333
YIQ	210.4260, -29.2440, -42.7160

Conversions

Conversions Part 2

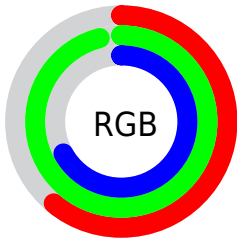
Format	Color
RYB	156, 234, 246
Decimal	10286762
CIELab	89.80, -42.12, 28.29
CIELCh	90, 50.739, 146.109
Yxy	75.8817, 0.3002, 0.4224
Android (android.graphics.Color)	4288476842 (0xFF9CF6AA)
YUV	210.4260, -19.9300, -47.7316
Hunter-Lab	87.1101, -41.9347, 27.0589

Details

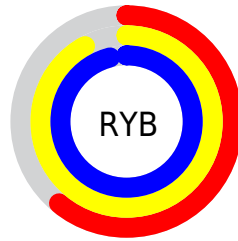
The Yxy color **75.8817, 0.3002, 0.4224** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.2164, 0.3287, 0.2509**, and the grayscale version is **64.9005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1571, 0.3034, 0.3595**, and **40.4462, 0.2960, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **72.9477, 0.2973, 0.4535**, and if you desaturate by 10%, it is **79.4434, 0.3035, 0.3932**.

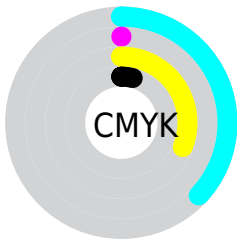
Distribution



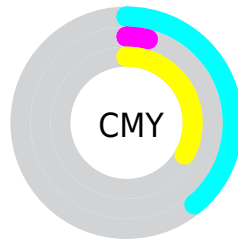
- Red (61%)
- Green (96%)
- Blue (67%)



- Red (61%)
- Yellow (92%)
- Blue (96%)



- Cyan (37%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)





- Cyan (39%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8817, 0.3002, 0.4224 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 75.8817, 0.3002, 0.4224 by changing the saturation by 10% instead.


 75.8817, 0.3002,
0.4224

 75.8817, 0.3002,
0.4224


480.9426, 0.3073,
0.3770

 56.3355, 0.2982,
0.4333

 127.5597, 0.3029,
0.4062

 40.4720, 0.2956,
0.4470


 160.4602, 0.3039,
0.4001

 27.9067, 0.2919,
0.4647


198.5810, 0.3047,
0.3948

 18.2554, 0.2866,
0.4884

242.3065, 0.3054,
0.3903

 11.1335, 0.2784,
0.5218

292.0210, 0.3060,
0.3863

 6.1567, 0.2643,
0.5713


348.1089, 0.3065,

 2.9406, 0.2428,

0.3828

0.6647

410.9547, 0.3069,
0.3797


 1.1008, 0.0031,
0.9969


 0.0000, 0.0000,
0.0000

 75.8817, 0.3002,
0.4224

 75.8817, 0.3002,
0.4224


 72.9477, 0.2973,
0.4535

 79.4434, 0.3035,
0.3932


 70.5959, 0.2951,
0.4853

 83.6563, 0.3070,
0.3667

 68.7897, 0.2938,
0.5163

 88.5544, 0.3105,
0.3430

 67.4843, 0.2936,
0.5443

 94.1665, 0.3139,
0.3222

■ 66.6277, 0.2945,
0.5675

■ 94.3892, 0.3131,
0.3204

■ 66.1555, 0.2963,
0.5844

■ 66.0501, 0.2969,
0.5887

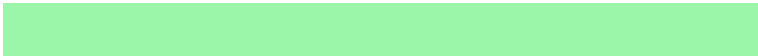
Harmonies

Analogous

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



75.8817, 0.3590, 0.4391



75.8817, 0.3002, 0.4224



75.8817, 0.2477, 0.3709

Triad

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



75.8817, 0.3002, 0.4224



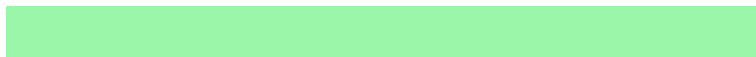
75.8817, 0.2213, 0.2381



75.8817, 0.4215, 0.3333

Complementary

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



75.8817, 0.3002, 0.4224



49.2164, 0.3287, 0.2509

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.



75.8817, 0.3772, 0.2894



75.8817, 0.3002, 0.4224



75.8817, 0.2598, 0.2368

Square

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



75.8817, 0.3002, 0.4224



75.8817, 0.2056, 0.2621



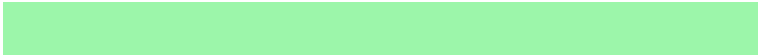
75.8817, 0.3163, 0.2553



75.8817, 0.4323, 0.3797

Rectangle

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



75.8817, 0.3002, 0.4224



75.8817, 0.2229, 0.3292



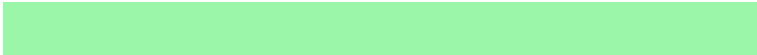
75.8817, 0.3163, 0.2553



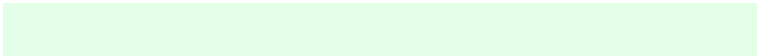
75.8817, 0.4099, 0.3180

Sweetspot

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



75.8849, 0.3002, 0.4224



93.6292, 0.3089, 0.3532



85.5518, 0.3582, 0.4233



19.8863, 0.3084, 0.3564



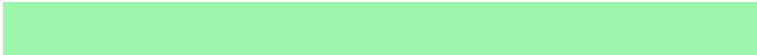
0.0000, 0.0000, 0.0000



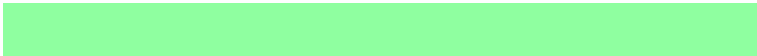
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8849, 0.3002, 0.4224



79.8868, 0.2980, 0.4457



77.8641, 0.2769, 0.3662



18.5139, 0.3094, 0.3496



35.2691, 0.2963, 0.5868



3.1120, 0.2909, 0.5673

Inverse Universe

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



49.2164, 0.3287, 0.2509



46.9947, 0.3328, 0.2355



46.9981, 0.3701, 0.2952



16.7215, 0.3162, 0.3092



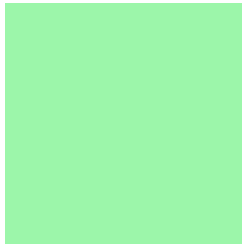
12.9020, 0.3645, 0.1781



1.1456, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 75.8817, 0.3002, 0.4224 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 75.8817, 0.3002, 0.4224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

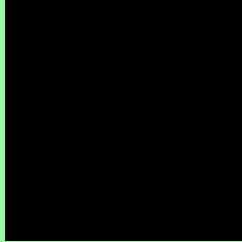
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

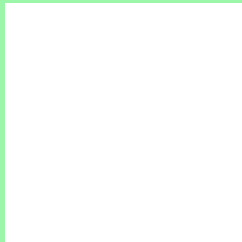
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8817, 0.3002, 0.4224

Background



This preview shows how black text looks on a background with the Yxy color 75.8817, 0.3002, 0.4224.

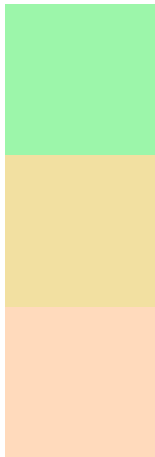


This preview shows how white text looks on a background with the Yxy color 75.8817, 0.3002, 0.4224.

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

75.8817, 0.3002, 0.4224

Protanopia

74.7618, 0.3689, 0.3957

Deuteranopia

75.0336, 0.3616, 0.3599



Tritanopia

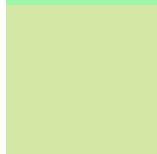
75.4567, 0.2644, 0.3077

Trichromacy



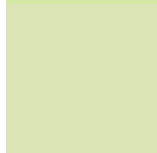
Original Color

75.8817, 0.3002, 0.4224



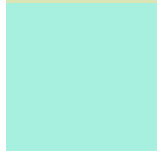
Protanomaly

74.2424, 0.3414, 0.4061



Deuteranomaly

73.8831, 0.3371, 0.3814



Tritanomaly

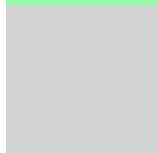
75.2762, 0.2776, 0.3476

Monochromacy



Original Color

75.8817, 0.3002, 0.4224



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.6626, 0.3077, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8817, 0.3002, 0.4224 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(156, 246, 170)` looks like.

```
.text, #text, p{  
    color:rgb(156, 246, 170)  
}
```

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(156, 246, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 246, 170) }
```

Border

The CSS property to change the border of an element to Yxy 75.8817, 0.3002, 0.4224 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(156, 246, 170) }
```

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

```
.border{ border-color:rgb(156, 246, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 246, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 246, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 246, 170);  
box-shadow:4px 4px 4px 4px rgb(156, 246,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8817, 0.3002, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 246, 170) }
```

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

```
.background{ background-color: rgb(156,  
246, 170) }
```

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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