

Converting Colors

$Yxy(75.9109, 0.2837, 0.4109)$

Have a look what the booklet for
Yxy(75.9109, 0.2837, 0.4109)
contains.

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Color

Yxy(75.8721, 0.2834, 0.4102)

Conversions

Conversions Part 1

Format	Color
Hex	89F8B7
RGB	137, 248, 183
RGB Percent	54%, 97%, 72%
CMY	0.4631, 0.0274, 0.2824
CMYK	0.45, 0.00, 0.26, 0.03
HSL	145°, 89%, 75%
HSV	145°, 45%, 97%
XYZ	52.4187, 75.8721, 56.6729
YIQ	207.4010, -45.2910, -43.7470

Conversions

Conversions Part 2

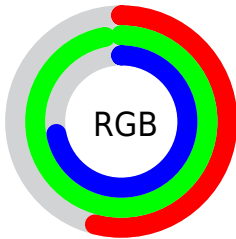
Format	Color
RYB	137, 215, 248
Decimal	9042103
CIELab	89.80, -46.00, 21.53
CIElCh	90, 50.791, 154.915
Yxy	75.8721, 0.2834, 0.4102
Android (android.graphics.Color)	4287232183 (0xFF89F8B7)
YUV	207.4010, -12.0297, -61.7417
Hunter-Lab	87.1046, -45.0135, 22.3974

Details

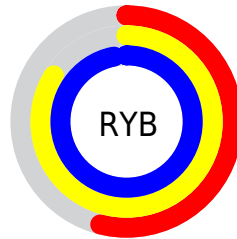
The Yxy color **75.8721, 0.2834, 0.4102** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.0873, 0.3615, 0.2610**, and the grayscale version is **62.7574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3541, 0.2860, 0.3460**, and **40.5356, 0.2754, 0.4312** is the 20% darker color. If you saturate the color by 10%, you get **73.4426, 0.2791, 0.4326**, and if you desaturate by 10%, it is **78.8517, 0.2889, 0.3891**.

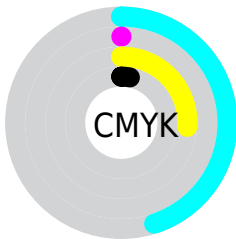
Distribution



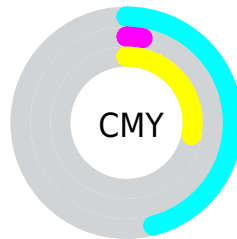
- Red (54%)
- Green (97%)
- Blue (72%)



- Red (54%)
- Yellow (84%)
- Blue (97%)



- Cyan (45%)
- Magenta (0%)
- Yellow (26%)
- Black (3%)





- Cyan (46%)
- Magenta (3%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8721, 0.2834, 0.4102 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 75.8721, 0.2834, 0.4102 by changing the saturation by 10% instead.

 75.8721, 0.2834,
0.4102

 75.8721, 0.2834,
0.4102


480.9098, 0.2979,
0.3708

 56.3276, 0.2799,
0.4196


 127.5461, 0.2886,
0.3962

 40.4657, 0.2754,
0.4315


 160.4444, 0.2906,
0.3908

 27.9018, 0.2695,
0.4470


198.5628, 0.2923,
0.3863

 18.2517, 0.2614,
0.4677

242.2857, 0.2937,
0.3823

 11.1308, 0.2499,
0.4970

291.9974, 0.2950,
0.3789

 6.1549, 0.2321,
0.5412


348.0824, 0.2961,

 2.9395, 0.2018,


0.3759


0.6141


410.9251, 0.2970,
0.3732


 1.1002, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.8721, 0.2834,
0.4102


 75.8721, 0.2834,
0.4102


 73.4426, 0.2791,
0.4326


 78.8517, 0.2889,
0.3891


 71.5186, 0.2763,
0.4557

 82.4042, 0.2953,
0.3696

 70.0635, 0.2753,
0.4788

 86.5622, 0.3021,
0.3519

 69.0311, 0.2762,
0.5010

 91.3532, 0.3093,
0.3360

■ 68.3655, 0.2790,
0.5216

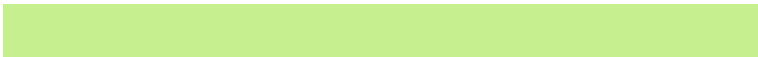
■ 95.6261, 0.3130,
0.3223

■ 68.1223, 0.2810,
0.5315

Harmonies

Analogous

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



75.8721, 0.3421, 0.4385



75.8721, 0.2834, 0.4102



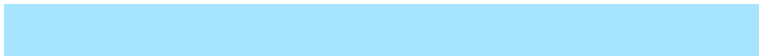
75.8721, 0.2355, 0.3525

Triad

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



75.8721, 0.2834, 0.4102



75.8721, 0.2302, 0.2354



75.8721, 0.4286, 0.3470

Complementary

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



75.8721, 0.2834, 0.4102



42.0873, 0.3615, 0.2610

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.



75.8721, 0.3930, 0.3016



75.8721, 0.2834, 0.4102



75.8721, 0.2749, 0.2403

Square

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



75.8721, 0.2834, 0.4102



75.8721, 0.2076, 0.2525



75.8721, 0.3346, 0.2639



75.8721, 0.4286, 0.3926

Rectangle

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



75.8721, 0.2834, 0.4102



75.8721, 0.2152, 0.3116



75.8721, 0.3346, 0.2639



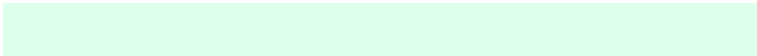
75.8721, 0.4204, 0.3314

Sweetspot

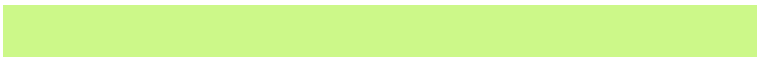
The Sweet Spot groups the original color and five complimentary colors.



75.8752, 0.2834, 0.4102



93.0586, 0.3034, 0.3489



81.7271, 0.3479, 0.4523



19.6910, 0.3018, 0.3526



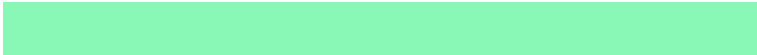
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



75.8752, 0.2834, 0.4102



78.3945, 0.2793, 0.4309



78.5659, 0.2574, 0.3419



19.4286, 0.3059, 0.3432



36.8199, 0.2801, 0.5285



3.4307, 0.2736, 0.5049

Inverse Universe

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



42.0873, 0.3615, 0.2610



38.1251, 0.3764, 0.2482



39.9646, 0.4209, 0.3174



17.3957, 0.3202, 0.3152



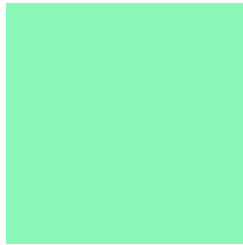
11.9161, 0.4603, 0.2310



1.1247, 0.4391, 0.2192

Previews

White Background



This preview shows how the Yxy color 75.8721, 0.2834, 0.4102 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 75.8721, 0.2834, 0.4102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

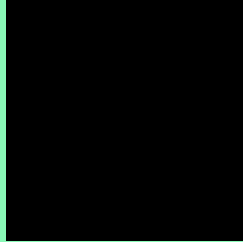
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8721, 0.2834, 0.4102

Background



This preview shows how black text looks on a background with the Yxy color 75.8721, 0.2834, 0.4102.

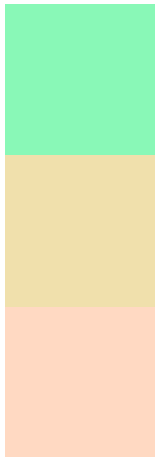


This preview shows how white text looks on a background with the Yxy color 75.8721, 0.2834, 0.4102.

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

75.8721, 0.2834, 0.4102

Protanopia

74.8151, 0.3598, 0.3844

Deuteranopia

74.7808, 0.3574, 0.3527



Tritanopia

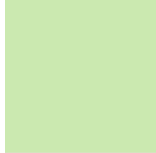
75.4698, 0.2586, 0.3086

Trichromacy



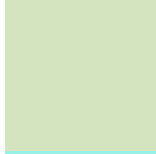
Original Color

75.8721, 0.2834, 0.4102



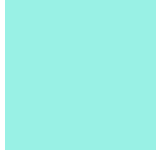
Protanomaly

74.1089, 0.3280, 0.3945



Deuteranomaly

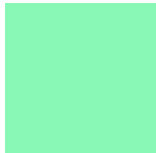
73.2016, 0.3261, 0.3719



Tritanomaly

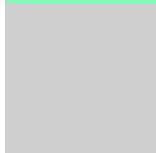
75.3400, 0.2674, 0.3430

Monochromacy



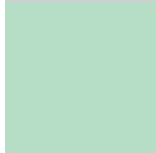
Original Color

75.8721, 0.2834, 0.4102



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.2649, 0.3003, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8721, 0.2834, 0.4102 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(137, 248, 183)` looks like.

```
.text, #text, p{  
    color:rgb(137, 248, 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(137, 248, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 248, 183) }
```

Border

The CSS property to change the border of an element to Yxy 75.8721, 0.2834, 0.4102 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(137, 248, 183) }
```

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

```
.border{ border-color:rgb(137, 248, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 248, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 248, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 248, 183); box-shadow:4px 4px 4px 4px rgb(137, 248, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8721, 0.2834, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 248, 183) }
```

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

```
.background{ background-color: rgb(137,  
248, 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](#).

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