

Converting Colors

$Y_{xy}(74.0945, 0.2903, 0.4265)$

Have a look what the booklet for
Yxy(74.0945, 0.2903, 0.4265)
contains.

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Color

Yxy(74.0945, 0.2903, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	89F6A9
RGB	137, 246, 169
RGB Percent	54%, 96%, 66%
CMY	0.4629, 0.0353, 0.3371
CMYK	0.44, 0.00, 0.31, 0.04
HSL	138°, 86%, 75%
HSV	138°, 44%, 96%
XYZ	50.4329, 74.0945, 49.1994
YIQ	204.6310, -40.2470, -47.0550

Conversions

Conversions Part 2

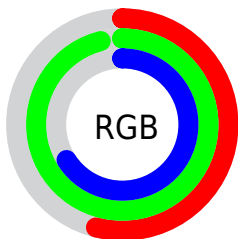
Format	Color
RYB	137, 221, 246
Decimal	9041577
CIELab	88.97, -47.66, 27.51
CIELCh	89, 55.024, 150.008
Yxy	74.0945, 0.2903, 0.4265
Android (android.graphics.Color)	4287231657 (0xFF89F6A9)
YUV	204.6310, -17.5661, -59.3124
Hunter-Lab	86.0782, -46.0542, 26.3665

Details

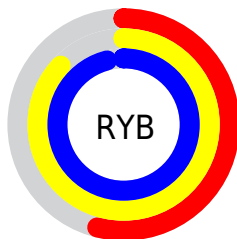
The Yxy color **74.0945, 0.2903, 0.4265** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.3285, 0.3474, 0.2489**, and the grayscale version is **60.9356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5583, 0.2933, 0.3615**, and **39.3184, 0.2834, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **71.6410, 0.2869, 0.4535**, and if you desaturate by 10%, it is **77.1146, 0.2946, 0.4009**.

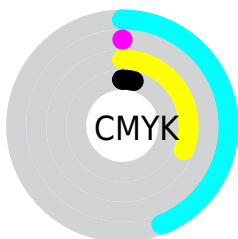
Distribution



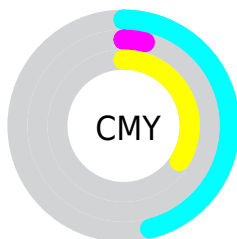
- Red (54%)
- Green (96%)
- Blue (66%)



- Red (54%)
- Yellow (87%)
- Blue (96%)



- Cyan (44%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)




- Cyan (46%)
- Magenta (4%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0945, 0.2903, 0.4265 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 74.0945, 0.2903, 0.4265 by changing the saturation by 10% instead.


 74.0945, 0.2903,
0.4265

 74.0945, 0.2903,
0.4265


474.7995, 0.3021,
0.3787

 54.8714, 0.2872,
0.4381

 125.0298, 0.2947,
0.4094

 39.2988, 0.2832,
0.4527


 157.5107, 0.2963,
0.4029

 26.9922, 0.2778,
0.4717


195.1797, 0.2977,
0.3974

 17.5674, 0.2701,
0.4973

238.4212, 0.2988,
0.3926

 10.6398, 0.2586,
0.5337

287.6195, 0.2998,
0.3884

 5.8252, 0.2398,
0.5882


343.1590, 0.3007,

 2.7391, 0.2116,

0.3848

0.6961


405.4242, 0.3015,
0.3816


 0.9971, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.0945, 0.2903,
0.4265


 74.0945, 0.2903,
0.4265

 71.6410, 0.2869,
0.4535

 77.1146, 0.2946,
0.4009


 69.7090, 0.2848,
0.4809

 80.7248, 0.2996,
0.3772

 68.2610, 0.2843,
0.5077

 84.9585, 0.3049,
0.3557

 67.2506, 0.2854,
0.5323

 89.8438, 0.3104,
0.3366

■ 66.6212, 0.2881,
0.5536

■ 94.3955, 0.3131,
0.3204

■ 66.3882, 0.2900,
0.5639

Harmonies

Analogous

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



74.0945, 0.3542, 0.4499



74.0945, 0.2903, 0.4265



74.0945, 0.2357, 0.3659

Triad

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



74.0945, 0.2903, 0.4265



74.0945, 0.2178, 0.2291



74.0945, 0.4355, 0.3393

Complementary

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



74.0945, 0.2903, 0.4265



42.3285, 0.3474, 0.2489

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.



74.0945, 0.3910, 0.2916



74.0945, 0.2903, 0.4265



74.0945, 0.2621, 0.2310

Square

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



74.0945, 0.2903, 0.4265



74.0945, 0.1977, 0.2511



74.0945, 0.3251, 0.2533



74.0945, 0.4415, 0.3891

Rectangle

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



74.0945, 0.2903, 0.4265



74.0945, 0.2113, 0.3199



74.0945, 0.3251, 0.2533



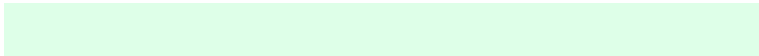
74.0945, 0.4244, 0.3228

Sweetspot

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



74.0976, 0.2903, 0.4265



92.8295, 0.3056, 0.3531



82.1850, 0.3566, 0.4472



19.6347, 0.3044, 0.3576



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.



74.0976, 0.2903, 0.4265



78.0266, 0.2873, 0.4502



76.5258, 0.2638, 0.3573



18.5522, 0.3075, 0.3462



35.4545, 0.2892, 0.5611



3.1333, 0.2823, 0.5364

Inverse Universe

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



42.3285, 0.3474, 0.2489



39.5759, 0.3570, 0.2345



40.0358, 0.4047, 0.3037



16.6804, 0.3183, 0.3124



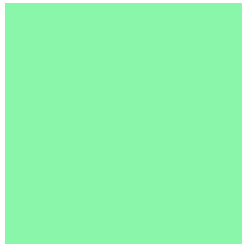
12.1073, 0.4125, 0.2046



1.0820, 0.3982, 0.1967

Previews

White Background



This preview shows how the Yxy color 74.0945, 0.2903, 0.4265 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 74.0945, 0.2903, 0.4265 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 74.0945, 0.2903, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 74.0945, 0.2903, 0.4265.



This preview shows how white text looks on a background with the Yxy color 74.0945, 0.2903, 0.4265.

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

74.0945, 0.2903, 0.4265

Protanopia

73.0619, 0.3693, 0.3975

Deuteranopia

72.7720, 0.3663, 0.3610



Tritanopia

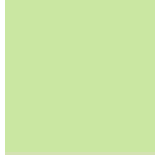
73.6403, 0.2558, 0.3072

Trichromacy



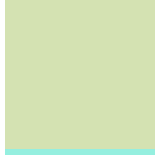
Original Color

74.0945, 0.2903, 0.4265



Protanomaly

72.3170, 0.3363, 0.4091



Deuteranomaly

71.6041, 0.3342, 0.3836



Tritanomaly

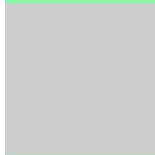
73.4503, 0.2681, 0.3480

Monochromacy



Original Color

74.0945, 0.2903, 0.4265



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.6955, 0.3027, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0945, 0.2903, 0.4265 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, 246, 169)` looks like.

```
.text, #text, p{  
    color:rgb(137, 246, 169)  
}
```

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, 246, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 246, 169) }
```

Border

The CSS property to change the border of an element to Yxy 74.0945, 0.2903, 0.4265 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, 246, 169) }
```

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

```
.border{ border-color:rgb(137, 246, 169) }
```

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

Here you see how a box with a 4 pixel rgb(137, 246, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 246, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 246, 169);  
box-shadow:4px 4px 4px 4px rgb(137, 246,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0945, 0.2903, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 246, 169) }
```

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

```
.background{ background-color: rgb(137,  
246, 169) }
```

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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