

Converting Colors

$Yxy(74.3502, 0.2946, 0.4284)$

Have a look what the booklet for
Yxy(74.3502, 0.2946, 0.4284)
contains.

Yxy(74.5412, 0.2945, 0.4283)	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(74.5412, 0.2945, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	8FF6A7
RGB	143, 246, 167
RGB Percent	56%, 96%, 65%
CMY	0.4393, 0.0353, 0.3451
CMYK	0.42, 0.00, 0.32, 0.04
HSL	134°, 85%, 76%
HSV	134°, 42%, 96%
XYZ	51.2547, 74.5412, 48.2438
YIQ	206.1970, -36.0290, -46.4050

Conversions

Conversions Part 2

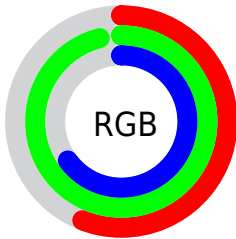
Format	Color
RYB	143, 227, 246
Decimal	9434791
CIELab	89.18, -46.38, 28.87
CIElCh	89, 54.627, 148.098
Yxy	74.5412, 0.2945, 0.4283
Android (android.graphics.Color)	4287624871 (0xFF8FF6A7)
YUV	206.1970, -19.3241, -55.4238
Hunter-Lab	86.3372, -45.1224, 27.3058

Details

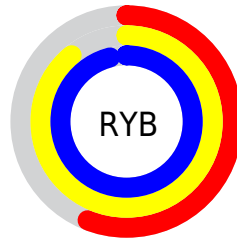
The Yxy color **74.5412, 0.2945, 0.4283** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.5047, 0.3390, 0.2473**, and the grayscale version is **61.9953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2652, 0.2979, 0.3634**, and **39.5885, 0.2885, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **71.9371, 0.2914, 0.4573**, and if you desaturate by 10%, it is **77.7346, 0.2984, 0.4008**.

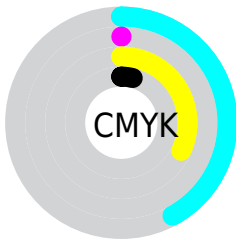
Distribution



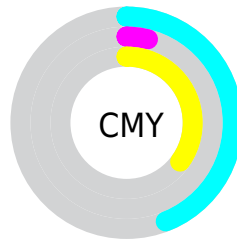
- Red (56%)
- Green (96%)
- Blue (65%)



- Red (56%)
- Yellow (89%)
- Blue (96%)



- Cyan (42%)
- Magenta (0%)
- Yellow (32%)
- Black (4%)




- Cyan (44%)
- Magenta (4%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5412, 0.2945, 0.4283 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 74.5412, 0.2945, 0.4283 by changing the saturation by 10% instead.


 74.5412, 0.2945,
0.4283


 74.5412, 0.2945,
0.4283


476.3391, 0.3044,
0.3797

 55.2371, 0.2918,
0.4400


 125.6627, 0.2983,
0.4109

 39.5916, 0.2883,
0.4548


 158.2489, 0.2996,
0.4043

 27.2203, 0.2835,
0.4741


196.0312, 0.3008,
0.3987

 17.7387, 0.2766,
0.5000

239.3941, 0.3017,
0.3938

 10.7626, 0.2660,
0.5365

288.7220, 0.3026,
0.3896

 5.9074, 0.2484,
0.5911


344.3992, 0.3033,

 2.7889, 0.2234,


0.3859


0.7027


406.8101, 0.3039,
0.3826

 1.0225, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.5412, 0.2945,
0.4283


 74.5412, 0.2945,
0.4283


 71.9371, 0.2914,
0.4573


 77.7346, 0.2984,
0.4008


 69.8768, 0.2893,
0.4867

 81.5411, 0.3027,
0.3755

 68.3231, 0.2885,
0.5152

 85.9943, 0.3073,
0.3527

 67.2299, 0.2892,
0.5410

 91.1226, 0.3119,
0.3325

■ 66.5421, 0.2912,
0.5627

■ 94.3970, 0.3131,
0.3204

■ 66.2160, 0.2935,
0.5766

Harmonies

Analogous

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



74.5412, 0.3579, 0.4487



74.5412, 0.2945, 0.4283



74.5412, 0.2393, 0.3699

Triad

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



74.5412, 0.2945, 0.4283



74.5412, 0.2165, 0.2306



74.5412, 0.4326, 0.3361

Complementary

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



74.5412, 0.2945, 0.4283



44.5047, 0.3390, 0.2473

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.



74.5412, 0.3865, 0.2891



74.5412, 0.2945, 0.4283



74.5412, 0.2591, 0.2310

Square

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



74.5412, 0.2945, 0.4283



74.5412, 0.1982, 0.2540



74.5412, 0.3207, 0.2520



74.5412, 0.4412, 0.3857

Rectangle

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



74.5412, 0.2945, 0.4283



74.5412, 0.2140, 0.3243



74.5412, 0.3207, 0.2520



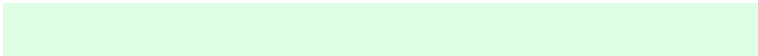
74.5412, 0.4208, 0.3198

Sweetspot

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



74.5443, 0.2945, 0.4283



92.7155, 0.3067, 0.3552



83.6964, 0.3594, 0.4387



19.6069, 0.3057, 0.3601



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.



74.5443, 0.2945, 0.4283



78.5127, 0.2919, 0.4520



76.7545, 0.2693, 0.3640



18.5353, 0.3084, 0.3477



35.3584, 0.2928, 0.5741



3.1229, 0.2864, 0.5510

Inverse Universe

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



44.5047, 0.3390, 0.2473



42.0193, 0.3458, 0.2324



42.2166, 0.3898, 0.2976



16.6983, 0.3174, 0.3110



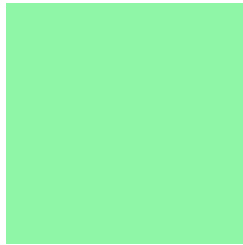
12.4334, 0.3904, 0.1924



1.1084, 0.3798, 0.1866

Previews

White Background



This preview shows how the Yxy color 74.5412, 0.2945, 0.4283 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 74.5412, 0.2945, 0.4283 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 74.5412, 0.2945, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 74.5412, 0.2945, 0.4283.



This preview shows how white text looks on a background with the Yxy color 74.5412, 0.2945, 0.4283.

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

74.5412, 0.2945, 0.4283

Protanopia

73.7349, 0.3704, 0.3993

Deuteranopia

73.2798, 0.3660, 0.3620



Tritanopia

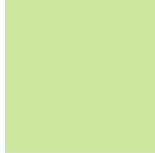
74.2538, 0.2587, 0.3074

Trichromacy



Original Color

74.5412, 0.2945, 0.4283



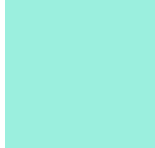
Protanomaly

72.7042, 0.3391, 0.4097



Deuteranomaly

71.8632, 0.3364, 0.3845



Tritanomaly

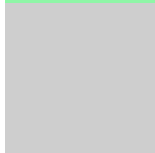
73.9755, 0.2717, 0.3491

Monochromacy



Original Color

74.5412, 0.2945, 0.4283



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.5860, 0.3048, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5412, 0.2945, 0.4283 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(143, 246, 167)` looks like.

```
.text, #text, p{  
    color:rgb(143, 246, 167)  
}
```

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(143, 246, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 246, 167) }
```

Border

The CSS property to change the border of an element to Yxy 74.5412, 0.2945, 0.4283 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(143, 246, 167) }
```

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

```
.border{ border-color:rgb(143, 246, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 246, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 246, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 246, 167);  
box-shadow:4px 4px 4px 4px rgb(143, 246,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5412, 0.2945, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 246, 167) }
```

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

```
.background{ background-color: rgb(143,  
246, 167) }
```

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