

Converting Colors

$Yxy(74.4421, 0.3051, 0.4526)$

Have a look what the booklet for
Yxy(74.4421, 0.3051, 0.4526)
contains.

Yxy(74.6794, 0.3052, 0.4533)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.6794, 0.3052, 0.4533)

Conversions

Conversions Part 1

Format	Color
Hex	91F794
RGB	145, 247, 148
RGB Percent	57%, 97%, 58%
CMY	0.4315, 0.0313, 0.4196
CMYK	0.41, 0.00, 0.40, 0.03
HSL	122°, 86%, 77%
HSV	122°, 41%, 97%
XYZ	50.2805, 74.6794, 39.7862
YIQ	205.2160, -29.0130, -52.4130

Conversions

Conversions Part 2

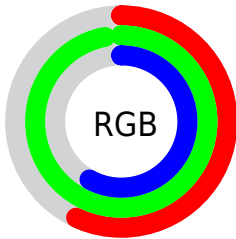
Format	Color
RYB	145, 244, 247
Decimal	9566100
CIELab	89.24, -49.25, 38.47
CIElCh	89, 62.494, 142.008
Yxy	74.6794, 0.3052, 0.4533
Android (android.graphics.Color)	4287756180 (0xFF91F794)
YUV	205.2160, -28.2075, -52.8094
Hunter-Lab	86.4172, -47.3728, 33.1952

Details

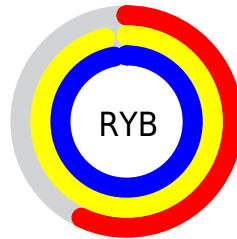
The Yxy color **74.6794, 0.3052, 0.4533** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.5488, 0.3201, 0.2299**, and the grayscale version is **61.3906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5283, 0.3101, 0.3857**, and **39.7461, 0.3003, 0.4863** is the 20% darker color. If you saturate the color by 10%, you get **71.9957, 0.3034, 0.4887**, and if you desaturate by 10%, it is **78.0142, 0.3071, 0.4188**.

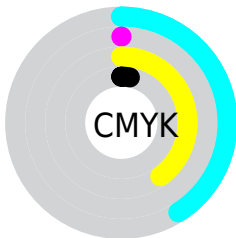
Distribution



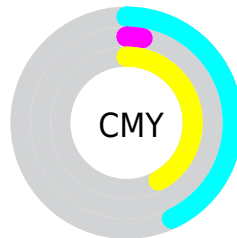
- Red (57%)
- Green (97%)
- Blue (58%)



- Red (57%)
- Yellow (96%)
- Blue (97%)



- Cyan (41%)
- Magenta (0%)
- Yellow (40%)
- Black (3%)



- Cyan (43%)
- Magenta (3%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6794, 0.3052, 0.4533 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 74.6794, 0.3052, 0.4533 by changing the saturation by 10% instead.


 74.6794, 0.3052,
0.4533

 74.6794, 0.3052,
0.4533


476.8149, 0.3111,
0.3922

 55.3503, 0.3032,
0.4680


 125.8584, 0.3078,
0.4315

 39.6822, 0.3003,
0.4865

 158.4771, 0.3086,
0.4231

 27.2909, 0.2960,
0.5105


196.2945, 0.3093,
0.4161

 17.7918, 0.2893,
0.5424

239.6949, 0.3098,
0.4100

 10.8006, 0.2782,
0.5865

289.0628, 0.3102,
0.4047

 5.9329, 0.2581,
0.6503


344.7824, 0.3106,

 2.8043, 0.2268,

0.4000

0.7732


407.2384, 0.3108,
0.3959


 1.0305, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.6794, 0.3052,
0.4533

 74.6794, 0.3052,
0.4533


 71.9957, 0.3034,
0.4887

 78.0142, 0.3071,
0.4188

 69.9119, 0.3018,
0.5229

 82.0288, 0.3090,
0.3866

 68.3847, 0.3005,
0.5531

 86.7611, 0.3108,
0.3576

 67.3606, 0.2998,
0.5767

 92.2441, 0.3125,
0.3321

■ 66.7758, 0.2996,
0.5920

■ 95.0064, 0.3131,
0.3214

■ 66.5426, 0.2996,
0.5987

Harmonies

Analogous

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



74.6794, 0.3764, 0.4642



74.6794, 0.3052, 0.4533



74.6794, 0.2399, 0.3919

Triad

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



74.6794, 0.3052, 0.4533



74.6794, 0.1983, 0.2211



74.6794, 0.4422, 0.3244

Complementary

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



74.6794, 0.3052, 0.4533



46.5488, 0.3201, 0.2299

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.



74.6794, 0.3824, 0.2741



74.6794, 0.3052, 0.4533



74.6794, 0.2400, 0.2171

Square

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



74.6794, 0.3052, 0.4533



74.6794, 0.1837, 0.2521



74.6794, 0.3059, 0.2362



74.6794, 0.4606, 0.3796

Rectangle

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



74.6794, 0.3052, 0.4533



74.6794, 0.2083, 0.3383



74.6794, 0.3059, 0.2362



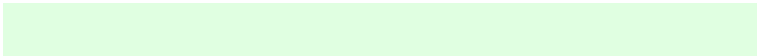
74.6794, 0.4260, 0.3068

Sweetspot

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



74.6825, 0.3052, 0.4533



92.8845, 0.3107, 0.3596



88.0379, 0.3733, 0.4317



19.7306, 0.3105, 0.3632



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.



74.6825, 0.3052, 0.4533



77.7173, 0.3036, 0.4844



76.6070, 0.2799, 0.3892



18.4800, 0.3112, 0.3527



35.1932, 0.2995, 0.5981



3.0959, 0.2982, 0.5934

Inverse Universe

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



46.5488, 0.3201, 0.2299



43.5461, 0.3217, 0.2112



43.9271, 0.3668, 0.2766



16.7593, 0.3143, 0.3064



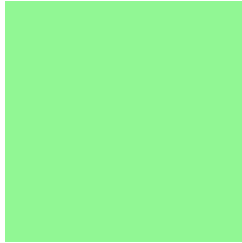
13.7780, 0.3285, 0.1583



1.2136, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 74.6794, 0.3052, 0.4533 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 74.6794, 0.3052, 0.4533 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

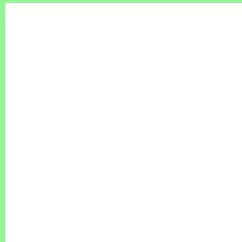
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.6794, 0.3052, 0.4533

Background



This preview shows how black text looks on a background with the Yxy color 74.6794, 0.3052, 0.4533.

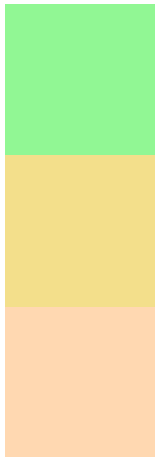


This preview shows how white text looks on a background with the Yxy color 74.6794, 0.3052, 0.4533.

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

74.6794, 0.3052, 0.4533

Protanopia

73.6941, 0.3847, 0.4169

Deuteranopia

73.5461, 0.3702, 0.3692



Tritanopia

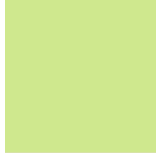
74.6155, 0.2612, 0.3086

Trichromacy



Original Color

74.6794, 0.3052, 0.4533



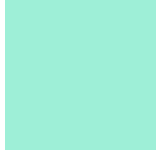
Protanomaly

72.9316, 0.3520, 0.4317



Deuteranomaly

72.1384, 0.3442, 0.3981



Tritanomaly

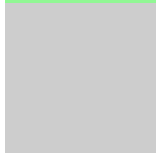
73.9084, 0.2769, 0.3576

Monochromacy



Original Color

74.6794, 0.3052, 0.4533



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.7144, 0.3099, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6794, 0.3052, 0.4533 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(145, 247, 148)` looks like.

```
.text, #text, p{  
    color:rgb(145, 247, 148)  
}
```

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(145, 247, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 247, 148) }
```

Border

The CSS property to change the border of an element to Yxy 74.6794, 0.3052, 0.4533 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(145, 247, 148) }
```

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

```
.border{ border-color:rgb(145, 247, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 247, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 247, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 247, 148);  
box-shadow:4px 4px 4px 4px rgb(145, 247,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6794, 0.3052, 0.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 247, 148) }
```

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

```
.background{ background-color: rgb(145,  
247, 148) }
```

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