

Converting Colors

Yxy(74.9663, 0.3029, 0.4936)

Have a look what the booklet for
Yxy(74.9663, 0.3029, 0.4936)
contains.

Yxy(74.9728, 0.3031, 0.4940)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.9728, 0.3031, 0.4940)

Conversions

Conversions Part 1

Format	Color
Hex	77FC7B
RGB	119, 252, 123
RGB Percent	47%, 99%, 48%
CMY	0.5331, 0.0118, 0.5175
CMYK	0.53, 0.00, 0.51, 0.01
HSL	122°, 96%, 73%
HSV	122°, 53%, 99%
XYZ	46.0005, 74.9728, 30.7935
YIQ	197.5270, -37.8590, -68.3150

Conversions

Conversions Part 2

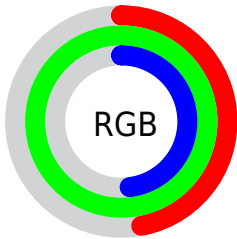
Format	Color
RYB	119, 248, 252
Decimal	7863419
CIELab	89.38, -61.66, 50.41
CIElCh	89, 79.645, 140.732
Yxy	74.9728, 0.3031, 0.4940
Android (android.graphics.Color)	4286053499 (0xFF77FC7B)
YUV	197.5270, -36.7418, -68.8682
Hunter-Lab	86.5868, -56.6962, 39.5251

Details

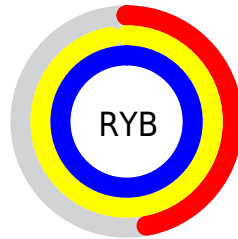
The Yxy color **74.9728, 0.3031, 0.4940** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **40.6820, 0.3222, 0.2058**, and the grayscale version is **56.4260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4377, 0.3097, 0.4177**, and **39.7558, 0.2952, 0.5381** is the 20% darker color. If you saturate the color by 10%, you get **72.8841, 0.3015, 0.5278**, and if you desaturate by 10%, it is **77.6932, 0.3049, 0.4586**.

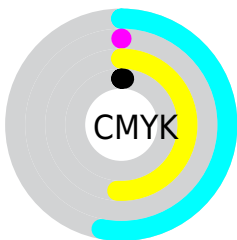
Distribution



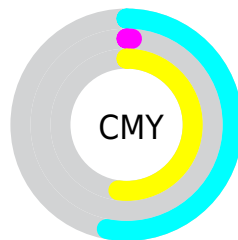
- Red (47%)
- Green (99%)
- Blue (48%)



- Red (47%)
- Yellow (97%)
- Blue (99%)



- Cyan (53%)
- Magenta (0%)
- Yellow (51%)
- Black (1%)



- Cyan (53%)
- Magenta (1%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9728, 0.3031, 0.4940 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 74.9728, 0.3031, 0.4940 by changing the saturation by 10% instead.


 74.9728, 0.3031,
0.4940


 74.9728, 0.3031,
0.4940


477.8241, 0.3119,
0.4122


 55.5906, 0.2998,
0.5137


 126.2739, 0.3071,
0.4647

 39.8748, 0.2951,
0.5383


 158.9615, 0.3084,
0.4536

 27.4409, 0.2880,
0.5697


 196.8531, 0.3094,
0.4441

 17.9046, 0.2768,
0.6108

240.3330, 0.3101,
0.4359

 10.8816, 0.2581,
0.6656

289.7857, 0.3107,
0.4288

 5.9872, 0.2333,
0.7645


345.5955, 0.3112,


 2.8373, 0.1584,

0.4226

0.8416

408.1468, 0.3116,
0.4171


 1.0474, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.9728, 0.3031,
0.4940


 74.9728, 0.3031,
0.4940


 72.8841, 0.3015,
0.5278


 77.6932, 0.3049,
0.4586


 71.3680, 0.3004,
0.5571


 81.0805, 0.3068,
0.4238

 70.3702, 0.2998,
0.5796

 85.1782, 0.3088,
0.3912

 69.8213, 0.2996,
0.5936

 90.0234, 0.3106,
0.3617

 69.6355, 0.2996,
0.5987

 95.6508, 0.3123,
0.3356

 98.0990, 0.3128,
0.3261

Harmonies

Analogous

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



74.9728, 0.3906, 0.4980



74.9728, 0.3031, 0.4940



74.9728, 0.2229, 0.4147

Triad

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



74.9728, 0.3031, 0.4940



74.9728, 0.1719, 0.1971



74.9728, 0.4750, 0.3169

Complementary

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



74.9728, 0.3031, 0.4940



40.6820, 0.3222, 0.2058

Split Complementary

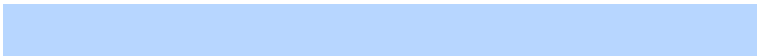
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.9728, 0.3964, 0.2584



74.9728, 0.3031, 0.4940



74.9728, 0.2194, 0.1927

Square

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



74.9728, 0.3031, 0.4940



74.9728, 0.1559, 0.2334



74.9728, 0.2987, 0.2145



74.9728, 0.4980, 0.3821

Rectangle

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



74.9728, 0.3031, 0.4940



74.9728, 0.1848, 0.3428



74.9728, 0.2987, 0.2145



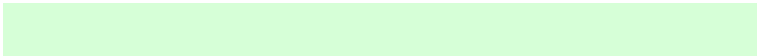
74.9728, 0.4537, 0.2963

Sweetspot

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



74.9759, 0.3031, 0.4940



90.7741, 0.3100, 0.3709



91.2360, 0.3880, 0.4568



19.2075, 0.3096, 0.3769



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.



74.9759, 0.3031, 0.4940



74.8219, 0.3015, 0.5287



77.1650, 0.2734, 0.4099



19.3176, 0.3112, 0.3528



36.2786, 0.2995, 0.5982



3.3629, 0.2982, 0.5936

Inverse Universe

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



40.6820, 0.3222, 0.2058



36.2428, 0.3240, 0.1877



37.3348, 0.3898, 0.2631



17.5151, 0.3143, 0.3063



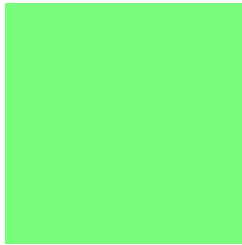
14.2022, 0.3285, 0.1583



1.3181, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 74.9728, 0.3031, 0.4940 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 74.9728, 0.3031, 0.4940 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 74.9728, 0.3031, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 74.9728, 0.3031, 0.4940.



This preview shows how white text looks on a background with the Yxy color 74.9728, 0.3031, 0.4940.

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

74.9728, 0.3031, 0.4940

Protanopia

73.5604, 0.4029, 0.4399

Deuteranopia

73.3120, 0.3746, 0.3754



Tritanopia

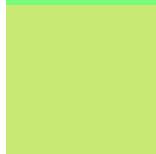
74.6584, 0.2547, 0.3084

Trichromacy



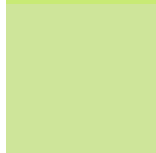
Original Color

74.9728, 0.3031, 0.4940



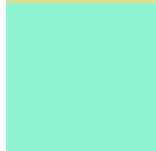
Protanomaly

72.4094, 0.3603, 0.4621



Deuteranomaly

71.4935, 0.3447, 0.4156



Tritanomaly

73.6720, 0.2726, 0.3719

Monochromacy



Original Color

74.9728, 0.3031, 0.4940



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.5181, 0.3085, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9728, 0.3031, 0.4940 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(119, 252, 123)` looks like.

```
.text, #text, p{  
    color:rgb(119, 252, 123)  
}
```

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(119, 252, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 252, 123) }
```

Border

The CSS property to change the border of an element to Yxy 74.9728, 0.3031, 0.4940 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(119, 252, 123) }
```

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

```
.border{ border-color:rgb(119, 252, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 252, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 252, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 252, 123);  
box-shadow:4px 4px 4px 4px rgb(119, 252,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9728, 0.3031, 0.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 252, 123) }
```

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

```
.background{ background-color: rgb(119,  
252, 123) }
```

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