

Converting Colors

$Yxy(76.8691, 0.3047, 0.4995)$

Have a look what the booklet for
Yxy(76.8691, 0.3047, 0.4995)
contains.

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Color

Yxy(76.8691, 0.3047, 0.4995)

Conversions

Conversions Part 1

Format	Color
Hex	78FF78
RGB	120, 255, 120
RGB Percent	47%, 100%, 47%
CMY	0.5296, 0.0000, 0.5294
CMYK	0.53, 0.00, 0.53, 0.00
HSL	120°, 100%, 74%
HSV	120°, 53%, 100%
XYZ	46.8909, 76.8691, 30.1321
YIQ	199.2450, -37.1250, -70.6050

Conversions

Conversions Part 2

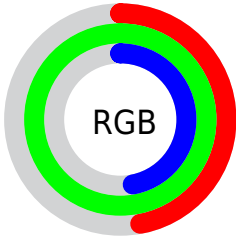
Format	Color
RYB	120, 255, 255
Decimal	7929720
CIELab	90.26, -62.94, 52.88
CIELCh	90, 82.204, 139.967
Yxy	76.8691, 0.3047, 0.4995
Android (android.graphics.Color)	4286119800 (0xFF78FF78)
YUV	199.2450, -39.0678, -69.4979
Hunter-Lab	87.6750, -57.9648, 40.9958

Details

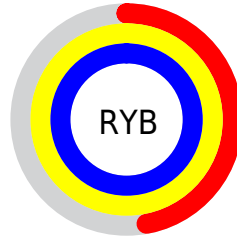
The Yxy color **76.8691, 0.3047, 0.4995** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **41.9003, 0.3187, 0.2023**, and the grayscale version is **57.5229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4389, 0.3119, 0.4210**, and **41.0559, 0.2969, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **74.7411, 0.3031, 0.5335**, and if you desaturate by 10%, it is **79.6408, 0.3064, 0.4633**.

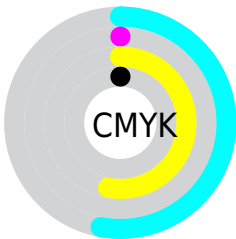
Distribution



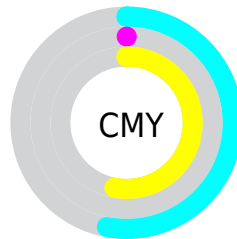
- Red (47%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (100%)



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





- Cyan (53%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8691, 0.3047, 0.4995 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 76.8691, 0.3047, 0.4995 by changing the saturation by 10% instead.


 76.8691, 0.3047,
0.4995

 76.8691, 0.3047,
0.4995

484.3176, 0.3130,
0.4153

 57.1454, 0.3015,
0.5196


 128.9547, 0.3086,
0.4695

 41.1220, 0.2967,
0.5446


 162.0854, 0.3099,
0.4580

 28.4144, 0.2895,
0.5764


 200.4539, 0.3108,
0.4483

 18.6383, 0.2782,
0.6176

244.4447, 0.3115,
0.4399

 11.4092, 0.2593,
0.6719

294.4420, 0.3120,
0.4325

 6.3428, 0.2335,
0.7665


350.8304, 0.3124,


 3.0546, 0.1631,


0.4261


0.8369


413.9941, 0.3128,
0.4204

 1.1603, 0.0000,
1.0000


 0.0289, 0.0000,
1.0000


 76.8691, 0.3047,
0.4995


 76.8691, 0.3047,
0.4995


 74.7411, 0.3031,
0.5335


 79.6408, 0.3064,
0.4633


 73.2134, 0.3018,
0.5624


 83.1126, 0.3081,
0.4275


 72.2218, 0.3008,
0.5836

 87.3243, 0.3097,
0.3938

 71.6919, 0.3002,
0.5959

 92.3150, 0.3111,
0.3633

 71.5202, 0.3000,
0.6000

 98.1212, 0.3124,
0.3363

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



76.8691, 0.3937, 0.5008



76.8691, 0.3047, 0.4995



76.8691, 0.2225, 0.4196

Triad

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



76.8691, 0.3047, 0.4995



76.8691, 0.1685, 0.1950



76.8691, 0.4774, 0.3146

Complementary

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



76.8691, 0.3047, 0.4995



41.9003, 0.3187, 0.2023

Split Complementary

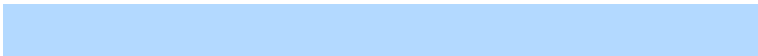
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8691, 0.3957, 0.2555



76.8691, 0.3047, 0.4995



76.8691, 0.2158, 0.1899

Square

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



76.8691, 0.3047, 0.4995



76.8691, 0.1530, 0.2326



76.8691, 0.2958, 0.2115



76.8691, 0.5021, 0.3806

Rectangle

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



76.8691, 0.3047, 0.4995



76.8691, 0.1833, 0.3457



76.8691, 0.2958, 0.2115



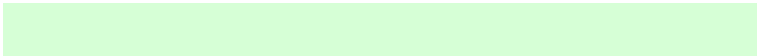
76.8691, 0.4551, 0.2938

Sweetspot

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



76.8659, 0.3047, 0.4995



90.7121, 0.3107, 0.3722



94.1350, 0.3898, 0.4565



19.1930, 0.3104, 0.3784



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.



76.8659, 0.3047, 0.4995



74.5550, 0.3030, 0.5368



79.1184, 0.2744, 0.4133



20.1683, 0.3116, 0.3536



37.3709, 0.3000, 0.6000



3.6387, 0.3000, 0.5999

Inverse Universe

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



41.9003, 0.3187, 0.2023



36.0968, 0.3196, 0.1829



38.2910, 0.3877, 0.2606



18.3003, 0.3138, 0.3056



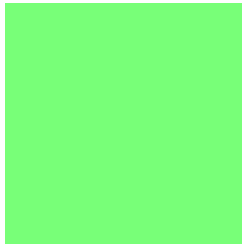
14.8791, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 76.8691, 0.3047, 0.4995 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 76.8691, 0.3047, 0.4995 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 76.8691, 0.3047, 0.4995

Background



This preview shows how black text looks on a background with the Yxy color 76.8691, 0.3047, 0.4995.

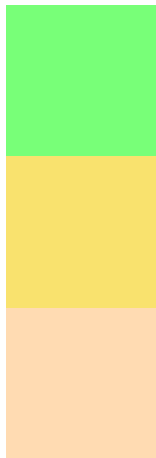


This preview shows how white text looks on a background with the Yxy color 76.8691, 0.3047, 0.4995.

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

76.8691, 0.3047, 0.4995

Protanopia

75.6582, 0.4053, 0.4439

Deuteranopia

75.1374, 0.3685, 0.3712



Tritanopia

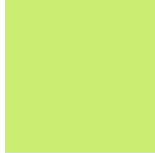
76.2616, 0.2597, 0.3098

Trichromacy



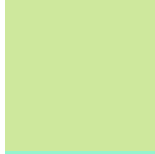
Original Color

76.8691, 0.3047, 0.4995



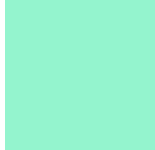
Protanomaly

74.3398, 0.3622, 0.4668



Deuteranomaly

73.2694, 0.3421, 0.4151



Tritanomaly

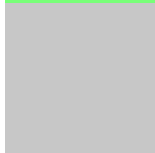
75.4535, 0.2769, 0.3751

Monochromacy



Original Color

76.8691, 0.3047, 0.4995



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1114, 0.3098, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8691, 0.3047, 0.4995 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(120, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 120)  
}
```

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(120, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 120) }
```

Border

The CSS property to change the border of an element to Yxy 76.8691, 0.3047, 0.4995 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(120, 255, 120) }
```

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

```
.border{ border-color:rgb(120, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8691, 0.3047, 0.4995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 120) }
```

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

```
.background{ background-color: rgb(120,  
255, 120) }
```

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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