

# Converting Colors

$Yxy(78.0778, 0.3036, 0.4793)$

Have a look what the booklet for  
Yxy(78.0778, 0.3036, 0.4793)  
contains.

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# Color

**Yxy(78.0946, 0.3037, 0.4792)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83FF87
RGB	131, 255, 135
RGB Percent	51%, 100%, 53%
CMY	0.4862, 0.0000, 0.4706
CMYK	0.49, 0.00, 0.47, 0.00
HSL	122°, 100%, 76%
HSV	122°, 49%, 100%
XYZ	49.4936, 78.0946, 35.3805
YIQ	204.2440, -35.3840, -63.6080

# Conversions

## Conversions Part 2

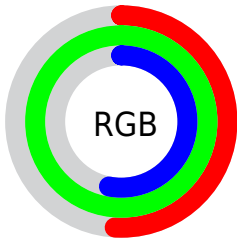
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 251, 255
Decimal	8650631
CIELab	90.82, -58.18, 46.68
CIElCh	91, 74.595, 141.261
Yxy	78.0946, 0.3037, 0.4792
Android (android.graphics.Color)	4286840711 (0xFF83FF87)
YUV	204.2440, -34.1373, -64.2350
Hunter-Lab	88.3711, -54.6779, 38.1223

# Details

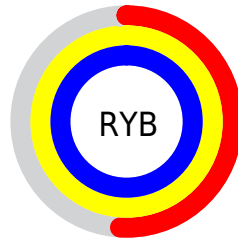
The Yxy color **78.0946, 0.3037, 0.4792** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **44.4626, 0.3217, 0.2142**, and the grayscale version is **60.7838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1849, 0.3093, 0.4021**, and **41.8069, 0.2973, 0.5191** is the 20% darker color. If you saturate the color by 10%, you get **75.6868, 0.3020, 0.5139**, and if you desaturate by 10%, it is **81.1656, 0.3056, 0.4438**.

# Distribution



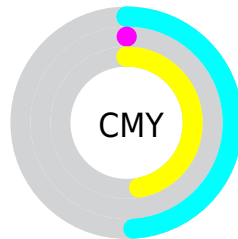
- Red (51%)
- Green (100%)
- Blue (53%)



- Red (51%)
- Yellow (98%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0946, 0.3037, 0.4792 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 78.0946, 0.3037, 0.4792 by changing the saturation by 10% instead.



 78.0946, 0.3037,  
0.4792


 78.0946, 0.3037,  
0.4792


488.4880, 0.3114,  
0.4054

 58.1517, 0.3010,  
0.4968


 130.6835, 0.3071,  
0.4529

 41.9306, 0.2970,  
0.5188

 164.0982, 0.3082,  
0.4429

 29.0470, 0.2912,  
0.5470

 202.7724, 0.3091,  
0.4343

 19.1164, 0.2821,  
0.5841

247.0903, 0.3098,  
0.4269

 11.7544, 0.2670,  
0.6339

297.4365, 0.3103,  
0.4205

 6.5767, 0.2428,  
0.7085


354.1952, 0.3107,


 3.1988, 0.1942,

0.4149

0.8058


417.7509, 0.3111,  
0.4099


 1.2364, 0.0000,  
1.0000


 0.0911, 0.0000,  
1.0000


 78.0946, 0.3037,  
0.4792


 78.0946, 0.3037,  
0.4792


 75.6868, 0.3020,  
0.5139


 81.1656, 0.3056,  
0.4438

 73.8918, 0.3007,  
0.5455

 84.9420, 0.3075,  
0.4098

 72.6548, 0.2999,  
0.5711

 89.4645, 0.3095,  
0.3785

 71.9103, 0.2996,  
0.5887

 94.7700, 0.3113,  
0.3504

■ 71.5682, 0.2997,  
0.5979

100.0000, 0.3127,  
0.3290

■ 71.5379, 0.2996,  
0.5987

# Harmonies

## Analogous

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



78.0946, 0.3856, 0.4865



78.0946, 0.3037, 0.4792



78.0946, 0.2286, 0.4060

# Triad

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



78.0946, 0.3037, 0.4792



78.0946, 0.1810, 0.2053



78.0946, 0.4637, 0.3200

# Complementary

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



78.0946, 0.3037, 0.4792



44.4626, 0.3217, 0.2142

# 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.



78.0946, 0.3919, 0.2641



78.0946, 0.3037, 0.4792



78.0946, 0.2268, 0.2011

# Square

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



78.0946, 0.3037, 0.4792



78.0946, 0.1654, 0.2398



78.0946, 0.3017, 0.2221



78.0946, 0.4850, 0.3819



# Rectangle

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



78.0946, 0.3037, 0.4792



78.0946, 0.1928, 0.3409



78.0946, 0.3017, 0.2221



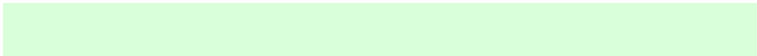
78.0946, 0.4443, 0.3003

# Sweetspot

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



78.0952, 0.3037, 0.4792



91.2941, 0.3101, 0.3679



94.0292, 0.3830, 0.4483



19.3101, 0.3097, 0.3740



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

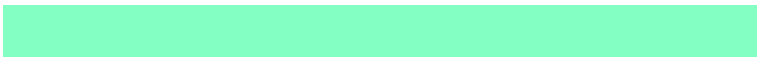
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0952, 0.3037, 0.4792



75.8183, 0.3021, 0.5118



80.2897, 0.2755, 0.4024



20.1776, 0.3111, 0.3528



37.3842, 0.2995, 0.5981



3.6431, 0.2982, 0.5934



# Inverse Universe

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



44.4626, 0.3217, 0.2142



38.7147, 0.3234, 0.1962



41.2548, 0.3812, 0.2677



18.2897, 0.3143, 0.3063



14.6167, 0.3291, 0.1587

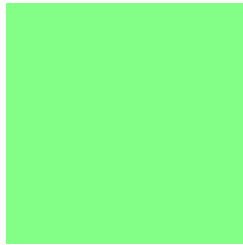


1.4262, 0.3281, 0.1581



# Previews

## White Background



This preview shows how the Yxy color 78.0946, 0.3037, 0.4792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

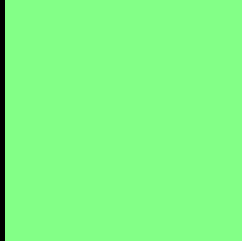
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0946, 0.3037, 0.4792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

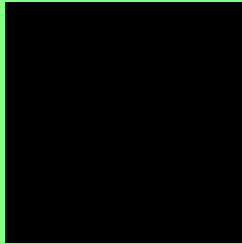
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.0946, 0.3037, 0.4792**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0946, 0.3037, 0.4792.



This preview shows how white text looks on a background with the Yxy color 78.0946, 0.3037, 0.4792.

# 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

78.0946, 0.3037, 0.4792

### Protanopia

76.7428, 0.3970, 0.4315

### Deuteranopia

76.5181, 0.3622, 0.3649



## Tritanopia

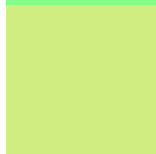
77.7237, 0.2639, 0.3112

# Trichromacy



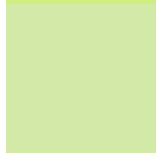
## Original Color

78.0946, 0.3037, 0.4792



## Protanomaly

75.4188, 0.3579, 0.4501



## Deuteranomaly

74.7695, 0.3386, 0.4038



## Tritanomaly

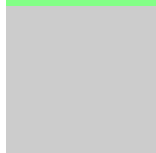
77.1761, 0.2791, 0.3694

# Monochromacy



## Original Color

78.0946, 0.3037, 0.4792



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

65.3771, 0.3088, 0.3834

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0946, 0.3037, 0.4792 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(131, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 135)  
}
```

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(131, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0946, 0.3037, 0.4792 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(131, 255, 135) }
```

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

```
.border{ border-color:rgb(131, 255, 135) }
```

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

Here you see how a box with a 4 pixel rgb(131, 255, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0946, 0.3037, 0.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 135) }
```

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

```
.background{ background-color: rgb(131,  
255, 135) }
```

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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