

# Converting Colors

Yxy(76.4621, 0.2853, 0.4688)

Have a look what the booklet for  
Yxy(76.4621, 0.2853, 0.4688)  
contains.

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# Color

**Yxy(76.4514, 0.2855, 0.4694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FF93
RGB	102, 255, 147
RGB Percent	40%, 100%, 58%
CMY	0.6004, 0.0000, 0.4234
CMYK	0.60, 0.00, 0.42, 0.00
HSL	138°, 100%, 70%
HSV	138°, 60%, 100%
XYZ	46.4995, 76.4514, 39.9196
YIQ	196.9410, -56.5200, -66.0240

# Conversions

## Conversions Part 2

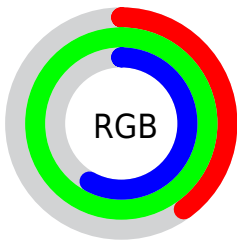
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 220, 255</a>
Decimal	<a href="#">6750099</a>
CIELab	<a href="#">90.07, -63.21, 39.73</a>
CIELCh	<a href="#">90, 74.663, 147.848</a>
Yxy	<a href="#">76.4514, 0.2855, 0.4694</a>
Android (android.graphics.Color)	<a href="#">4284940179 (0xFF66FF93)</a>
YUV	<a href="#">196.9410, -24.6209, -83.2633</a>
Hunter-Lab	<a href="#">87.4365, -58.0859, 34.1364</a>

# Details

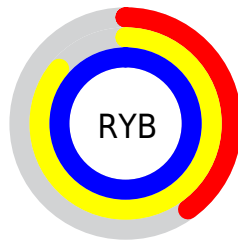
The Yxy color **76.4514, 0.2855, 0.4694** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.3917, 0.3653, 0.2245**, and the grayscale version is **55.9581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7836, 0.2887, 0.3906**, and **40.8369, 0.2754, 0.5069** is the 20% darker color. If you saturate the color by 10%, you get **74.6593, 0.2843, 0.4966**, and if you desaturate by 10%, it is **78.7804, 0.2882, 0.4420**.

# Distribution



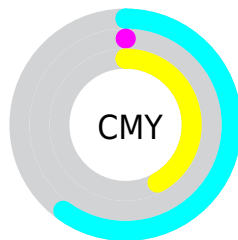
- Red (40%)
- Green (100%)
- Blue (58%)



- Red (40%)
- Yellow (86%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)



- Cyan (60%)
- Magenta (0%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4514, 0.2855, 0.4694 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 76.4514, 0.2855, 0.4694 by changing the saturation by 10% instead.





 76.4514, 0.2855,  
0.4694

 76.4514, 0.2855,  
0.4694


482.8915, 0.3010,  
0.3998

 56.8027, 0.2812,  
0.4863


 128.3648, 0.2915,  
0.4444

 40.8469, 0.2755,  
0.5076


 161.3983, 0.2936,  
0.4350

 28.1995, 0.2675,  
0.5351


 199.6622, 0.2954,  
0.4269

 18.4761, 0.2560,  
0.5720

243.5409, 0.2969,  
0.4200

 11.2923, 0.2384,  
0.6230

293.4188, 0.2981,  
0.4139

 6.2638, 0.2096,  
0.6963


349.6802, 0.2992,


 3.0062, 0.1590,


0.4087


0.8410


412.7097, 0.3002,  
0.4040

 1.1349, 0.0000,  
1.0000

 0.0076, 0.0000,  
1.0000


 76.4514, 0.2855,  
0.4694


 76.4514, 0.2855,  
0.4694


 74.6593, 0.2843,  
0.4966


 78.7804, 0.2882,  
0.4420


 73.3704, 0.2847,  
0.5223

 81.7020, 0.2920,  
0.4154

 72.5235, 0.2868,  
0.5451

 85.2494, 0.2966,  
0.3905

 72.0301, 0.2900,  
0.5641

 89.4569, 0.3018,  
0.3677

 94.3566, 0.3072,  
0.3472

99.9782, 0.3127,  
0.3291

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.



76.4514, 0.3684, 0.4918



76.4514, 0.2855, 0.4694



76.4514, 0.2145, 0.3851

# Triad

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



76.4514, 0.2855, 0.4694



76.4514, 0.1877, 0.2011



76.4514, 0.4746, 0.3332

# Complementary

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



76.4514, 0.2855, 0.4694



35.3917, 0.3653, 0.2245

# 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.



76.4514, 0.4115, 0.2751



76.4514, 0.2855, 0.4694



76.4514, 0.2404, 0.2028

# Square

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



76.4514, 0.2855, 0.4694



76.4514, 0.1653, 0.2285



76.4514, 0.3211, 0.2291



76.4514, 0.4832, 0.3960



# Rectangle

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



76.4514, 0.2855, 0.4694



76.4514, 0.1833, 0.3202



76.4514, 0.3211, 0.2291



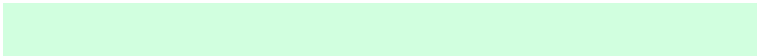
76.4514, 0.4589, 0.3130

# Sweetspot

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



76.4468, 0.2855, 0.4694



90.3976, 0.3029, 0.3634



86.4187, 0.3675, 0.4871



19.0630, 0.3013, 0.3696



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.



76.4468, 0.2855, 0.4694



74.3685, 0.2842, 0.5018



79.6042, 0.2524, 0.3694



20.2562, 0.3075, 0.3462



37.6599, 0.2892, 0.5612



3.6850, 0.2831, 0.5391



# Inverse Universe

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



35.3917, 0.3653, 0.2245



30.0293, 0.3800, 0.2112



32.4960, 0.4602, 0.2970



18.2038, 0.3183, 0.3124



12.8548, 0.4129, 0.2048

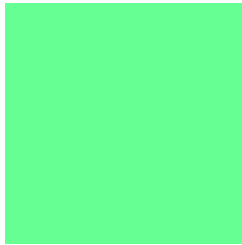


1.2708, 0.3998, 0.1976



# Previews

## White Background



This preview shows how the Yxy color 76.4514, 0.2855, 0.4694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

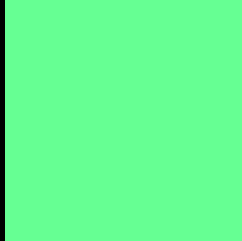
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4514, 0.2855, 0.4694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

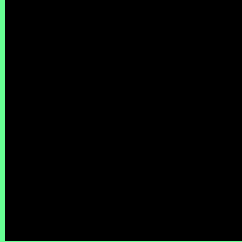
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.4514, 0.2855, 0.4694**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4514, 0.2855, 0.4694.

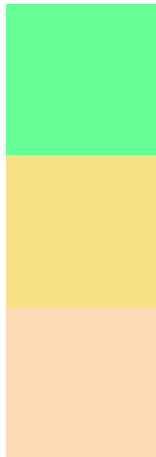


This preview shows how white text looks on a background with the Yxy color 76.4514, 0.2855, 0.4694.

# 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

76.4514, 0.2855, 0.4694

### Protanopia

75.1925, 0.3887, 0.4218

### Deuteranopia

74.7802, 0.3659, 0.3661



## **Tritanopia**

76.0209, 0.2560, 0.3108

# Trichromacy



## Original Color

76.4514, 0.2855, 0.4694



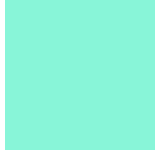
## Protanomaly

73.3243, 0.3432, 0.4422



## Deuteranomaly

72.1585, 0.3298, 0.4014



## Tritanomaly

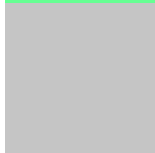
75.4969, 0.2662, 0.3641

# Monochromacy



## Original Color

76.4514, 0.2855, 0.4694



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

61.0789, 0.2986, 0.3792

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4514, 0.2855, 0.4694 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(102, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 147)  
}
```

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(102, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4514, 0.2855, 0.4694 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(102, 255, 147) }
```

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

```
.border{ border-color:rgb(102, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4514, 0.2855, 0.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 147) }
```

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

```
.background{ background-color: rgb(102,  
255, 147) }
```

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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