

# Converting Colors

$Yxy(76.1132, 0.2824, 0.4685)$

Have a look what the booklet for  
Yxy(76.1132, 0.2824, 0.4685)  
contains.

<b>Yxy(76.0910, 0.2825, 0.4691)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(76.0910, 0.2825, 0.4691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FFF94
RGB	95, 255, 148
RGB Percent	37%, 100%, 58%
CMY	0.6275, 0.0000, 0.4196
CMYK	0.63, 0.00, 0.42, 0.00
HSL	140°, 100%, 69%
HSV	140°, 63%, 100%
XYZ	45.8233, 76.0910, 40.2921
YIQ	194.9620, -61.0130, -67.1970

# Conversions

## Conversions Part 2

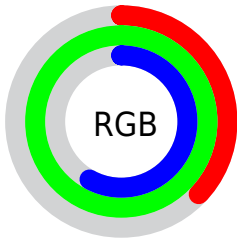
Format	Color
<a href="#">RYB</a>	<a href="#">95, 215, 255</a>
Decimal	<a href="#">6291348</a>
CIELab	<a href="#">89.90, -64.41, 39.00</a>
CIElCh	<a href="#">90, 75.300, 148.805</a>
Yxy	<a href="#">76.0910, 0.2825, 0.4691</a>
Android (android.graphics.Color)	<a href="#">4284481428 (0xFF5FFF94)</a>
YUV	<a href="#">194.9620, -23.1523, -87.6667</a>
Hunter-Lab	<a href="#">87.2302, -58.8841, 33.6748</a>

# Details

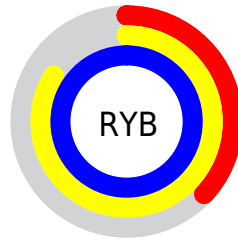
The Yxy color **76.0910, 0.2825, 0.4691** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **33.7034, 0.3755, 0.2260**, and the grayscale version is **54.7135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2027, 0.2851, 0.3899**, and **40.7770, 0.2738, 0.5057** is the 20% darker color. If you saturate the color by 10%, you get **74.4404, 0.2816, 0.4950**, and if you desaturate by 10%, it is **78.2662, 0.2850, 0.4429**.

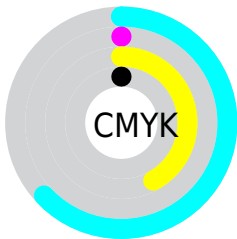
# Distribution



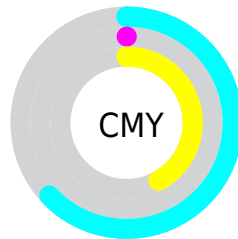
- Red (37%)
- Green (100%)
- Blue (58%)



- Red (37%)
- Yellow (84%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0910, 0.2825, 0.4691 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 76.0910, 0.2825, 0.4691 by changing the saturation by 10% instead.





 76.0910, 0.2825,  
0.4691


 76.0910, 0.2825,  
0.4691


481.6592, 0.2993,  
0.3996


 56.5071, 0.2779,  
0.4860

 127.8555, 0.2889,  
0.4441

 40.6097, 0.2718,  
0.5074


 160.8050, 0.2913,  
0.4346

 28.0142, 0.2634,  
0.5350


 198.9784, 0.2932,  
0.4266

 18.3364, 0.2514,  
0.5721

242.7602, 0.2948,  
0.4197

 11.1918, 0.2331,  
0.6236

292.5348, 0.2962,  
0.4137

 6.1960, 0.2034,  
0.6977


348.6866, 0.2974,


 2.9646, 0.1496,


0.4084


0.8504


411.5999, 0.2984,  
0.4037

 1.1133, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 76.0910, 0.2825,  
0.4691


 76.0910, 0.2825,  
0.4691

 74.4404, 0.2816,  
0.4950


 78.2662, 0.2850,  
0.4429


 73.2679, 0.2824,  
0.5195

 81.0110, 0.2889,  
0.4174

 72.5138, 0.2850,  
0.5414

 84.3627, 0.2937,  
0.3934

 72.1681, 0.2875,  
0.5551

 88.3561, 0.2992,  
0.3713

 93.0232, 0.3051,  
0.3513

 98.3940, 0.3111,  
0.3335

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.



76.0910, 0.3661, 0.4938



76.0910, 0.2825, 0.4691



76.0910, 0.2117, 0.3825

# Triad

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



76.0910, 0.2825, 0.4691



76.0910, 0.1878, 0.1997



76.0910, 0.4774, 0.3350

# Complementary

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



76.0910, 0.2825, 0.4691



33.7034, 0.3755, 0.2260

# 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.



76.0910, 0.4151, 0.2763



76.0910, 0.2825, 0.4691



76.0910, 0.2419, 0.2023

# Square

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



76.0910, 0.2825, 0.4691



76.0910, 0.1644, 0.2261



76.0910, 0.3240, 0.2294



76.0910, 0.4841, 0.3983



# Rectangle

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



76.0910, 0.2825, 0.4691



76.0910, 0.1811, 0.3170



76.0910, 0.3240, 0.2294



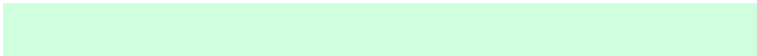
76.0910, 0.4621, 0.3146

# Sweetspot

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



76.0902, 0.2825, 0.4691



90.0272, 0.3014, 0.3635



85.2294, 0.3652, 0.4955



18.9951, 0.2997, 0.3694



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.



76.0902, 0.2825, 0.4691



74.1374, 0.2816, 0.5007



79.4243, 0.2487, 0.3647



20.2675, 0.3070, 0.3453



37.7339, 0.2867, 0.5522



3.6933, 0.2804, 0.5295



# Inverse Universe

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



33.7034, 0.3755, 0.2260



28.6876, 0.3931, 0.2147



30.9039, 0.4782, 0.3017



18.1920, 0.3189, 0.3132



12.6639, 0.4269, 0.2125

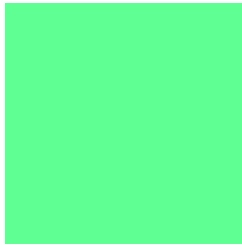


1.2533, 0.4117, 0.2042



# Previews

## White Background



This preview shows how the Yxy color 76.0910, 0.2825, 0.4691 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 76.0910, 0.2825, 0.4691 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 76.0910, 0.2825, 0.4691**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0910, 0.2825, 0.4691.

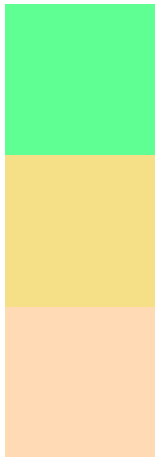


This preview shows how white text looks on a background with the Yxy color 76.0910, 0.2825, 0.4691.

# 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

76.0910, 0.2825, 0.4691

### Protanopia

74.5014, 0.3878, 0.4202

### Deuteranopia

74.7390, 0.3667, 0.3671



## Tritanopia

75.6284, 0.2541, 0.3107

# Trichromacy



## Original Color

76.0910, 0.2825, 0.4691



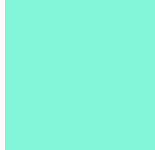
## Protanomaly

72.2573, 0.3400, 0.4412



## Deuteranomaly

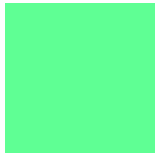
71.8867, 0.3284, 0.4017



## Tritanomaly

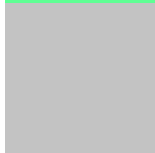
75.0880, 0.2640, 0.3644

# Monochromacy



## Original Color

76.0910, 0.2825, 0.4691



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

60.2110, 0.2972, 0.3796

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0910, 0.2825, 0.4691 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(95, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 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(95, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0910, 0.2825, 0.4691 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(95, 255, 148) }
```

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

```
.border{ border-color:rgb(95, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0910, 0.2825, 0.4691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 148) }
```

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

```
.background{ background-color: rgb(95, 255,  
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](#).

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