

# Converting Colors

$Yxy(78.6846, 0.2759, 0.4212)$

Have a look what the booklet for  
Yxy(78.6846, 0.2759, 0.4212)  
contains.

<b>Yxy(78.6793, 0.2757, 0.4209)</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(78.6793, 0.2757, 0.4209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75FFB6
RGB	117, 255, 182
RGB Percent	46%, 100%, 71%
CMY	0.5412, 0.0000, 0.2863
CMYK	0.54, 0.00, 0.29, 0.00
HSL	148°, 100%, 73%
HSV	148°, 54%, 100%
XYZ	51.5369, 78.6793, 56.7149
YIQ	205.4160, -58.8150, -51.9590

# Conversions

## Conversions Part 2

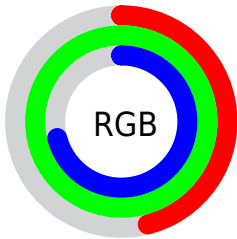
Format	Color
<a href="#">RYB</a>	<a href="#">117, 211, 255</a>
Decimal	<a href="#">7733174</a>
CIELab	<a href="#">91.09, -53.87, 23.72</a>
CIElCh	<a href="#">91, 58.859, 156.238</a>
Yxy	<a href="#">78.6793, 0.2757, 0.4209</a>
Android (android.graphics.Color)	<a href="#">4285923254 (0xFF75FFB6)</a>
YUV	<a href="#">205.4160, -11.5441, -77.5408</a>
Hunter-Lab	<a href="#">88.7014, -51.5160, 24.1814</a>

# Details

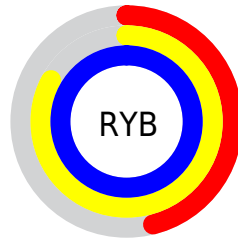
The Yxy color **78.6793, 0.2757, 0.4209** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **37.6992, 0.3855, 0.2554**, and the grayscale version is **61.4288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0402, 0.2769, 0.3476**, and **42.1956, 0.2657, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **76.6147, 0.2724, 0.4417**, and if you desaturate by 10%, it is **81.2761, 0.2806, 0.4008**.

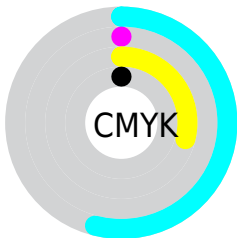
# Distribution



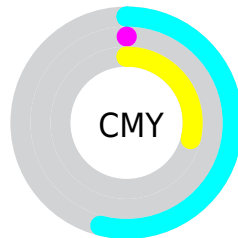
- Red (46%)
- Green (100%)
- Blue (71%)



- Red (46%)
- Yellow (83%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6793, 0.2757, 0.4209 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 78.6793, 0.2757, 0.4209 by changing the saturation by 10% instead.




 78.6793, 0.2757,  
0.4209

 78.6793, 0.2757,  
0.4209

490.4708, 0.2939,  
0.3763

 58.6322, 0.2713,  
0.4316


 131.5073, 0.2822,  
0.4050

 42.3171, 0.2657,  
0.4450


 165.0569, 0.2847,  
0.3990

 29.3497, 0.2585,  
0.4623


 203.8762, 0.2868,  
0.3938

 19.3455, 0.2487,  
0.4856

248.3495, 0.2886,  
0.3894

 11.9202, 0.2348,  
0.5184

298.8612, 0.2902,  
0.3855

 6.6894, 0.2137,  
0.5672

355.7957, 0.2916,

 3.2686, 0.1790,

0.3821

0.6462

419.5374, 0.2928,  
0.3790

■ 1.2735, 0.0000,  
1.0000

■ 0.1206, 0.0000,  
1.0000

■ 78.6793, 0.2757,  
0.4209

■ 78.6793, 0.2757,  
0.4209

■ 76.6147, 0.2724,  
0.4417

■ 81.2761, 0.2806,  
0.4008

■ 75.0445, 0.2709,  
0.4628


■ 84.4458, 0.2868,  
0.3819


■ 73.9192, 0.2714,  
0.4835

■ 88.2209, 0.2938,  
0.3645

■ 73.1804, 0.2739,  
0.5030

■ 92.6322, 0.3015,  
0.3486

 72.8780, 0.2761,  
0.5138

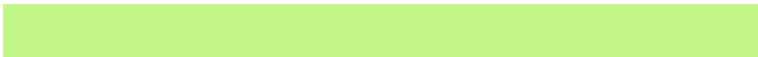
 97.7085, 0.3094,  
0.3344

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.



78.6793, 0.3419, 0.4550



78.6793, 0.2757, 0.4209



78.6793, 0.2229, 0.3523

# Triad

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



78.6793, 0.2757, 0.4209



78.6793, 0.2212, 0.2234



78.6793, 0.4463, 0.3500

# Complementary

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



78.6793, 0.2757, 0.4209



37.6992, 0.3855, 0.2554

# 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.



78.6793, 0.4072, 0.2995



78.6793, 0.2757, 0.4209



78.6793, 0.2720, 0.2301

# Square

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



78.6793, 0.2757, 0.4209



78.6793, 0.1951, 0.2405



78.6793, 0.3404, 0.2572



78.6793, 0.4434, 0.4014



# Rectangle

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



78.6793, 0.2757, 0.4209



78.6793, 0.2014, 0.3051



78.6793, 0.3404, 0.2572



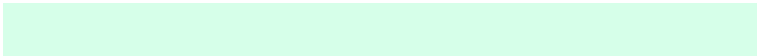
78.6793, 0.4376, 0.3327

# Sweetspot

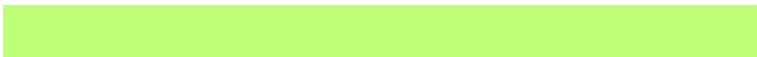
The Sweet Spot groups the original color and five complimentary colors.



78.6781, 0.2757, 0.4209



91.7531, 0.3000, 0.3515



83.8284, 0.3468, 0.4817



19.4386, 0.2984, 0.3547



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.



78.6781, 0.2757, 0.4209



76.4575, 0.2722, 0.4436



82.2287, 0.2455, 0.3341



20.3106, 0.3051, 0.3419



38.1100, 0.2752, 0.5108



3.7325, 0.2693, 0.4893



# Inverse Universe

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



37.6992, 0.3855, 0.2554



31.6187, 0.4082, 0.2446



35.3761, 0.4692, 0.3249



18.1477, 0.3211, 0.3165



12.0521, 0.4841, 0.2440

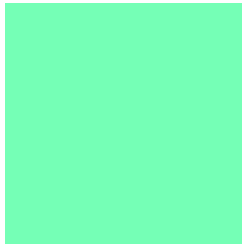


1.1956, 0.4603, 0.2309



# Previews

## White Background



This preview shows how the Yxy color 78.6793, 0.2757, 0.4209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

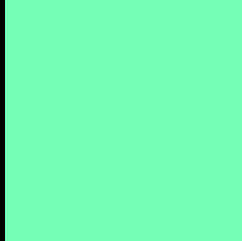
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6793, 0.2757, 0.4209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

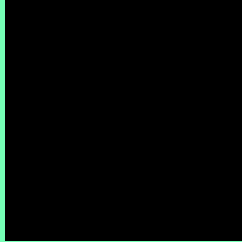
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.6793, 0.2757, 0.4209**

## Background



This preview shows how black text looks on a background with the Yxy color 78.6793, 0.2757, 0.4209.

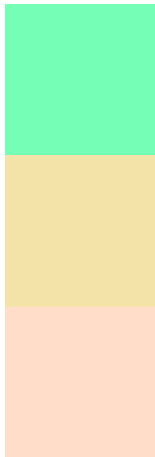


This preview shows how white text looks on a background with the Yxy color 78.6793, 0.2757, 0.4209.

# 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

78.6793, 0.2757, 0.4209

### Protanopia

77.0358, 0.3641, 0.3899

### Deuteranopia

77.1430, 0.3522, 0.3505



## Tritanopia

77.9752, 0.2626, 0.3122

# Trichromacy



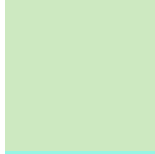
## Original Color

78.6793, 0.2757, 0.4209



## Protanomaly

75.6301, 0.3252, 0.4017



## Deuteranomaly

75.1072, 0.3187, 0.3744



## Tritanomaly

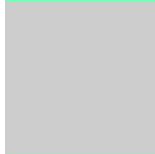
77.3903, 0.2670, 0.3489

# Monochromacy



## Original Color

78.6793, 0.2757, 0.4209



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

65.6908, 0.2949, 0.3608

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6793, 0.2757, 0.4209 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(117, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 182)  
}
```

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(117, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6793, 0.2757, 0.4209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

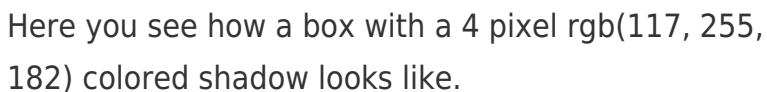
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 255, 182) }
```

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

```
.border{ border-color:rgb(117, 255, 182) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 255, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 255, 182); box-shadow:4px 4px 4px 4px rgb(117, 255, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6793, 0.2757, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 182) }
```

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

```
.background{ background-color: rgb(117,  
255, 182) }
```

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