

# Converting Colors

$Yxy(78.4833, 0.2533, 0.3729)$

Have a look what the booklet for  
Yxy(78.4833, 0.2533, 0.3729)  
contains.

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# Color

**Yxy(78.7123, 0.2535, 0.3733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65FEDA
RGB	101, 254, 218
RGB Percent	40%, 100%, 85%
CMY	0.6043, 0.0039, 0.1452
CMYK	0.60, 0.00, 0.14, 0.00
HSL	166°, 99%, 70%
HSV	166°, 60%, 100%
XYZ	53.4518, 78.7123, 78.6912
YIQ	204.1490, -79.6320, -43.6320

# Conversions

## Conversions Part 2

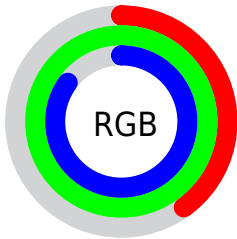
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 188, 254
Decimal	6684378
CIELab	91.10, -48.95, 5.18
CIElCh	91, 49.219, 173.958
Yxy	78.7123, 0.2535, 0.3733
Android (android.graphics.Color)	4284874458 (0xFF65FEDA)
YUV	204.1490, 6.8285, -90.4617
Hunter-Lab	88.7200, -47.7176, 9.5160

# Details

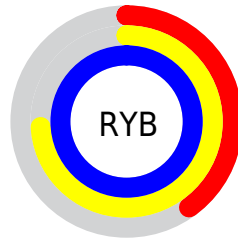
The Yxy color **78.7123, 0.2535, 0.3733** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.1641, 0.4573, 0.2940**, and the grayscale version is **60.4591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **42.1242, 0.2398, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **77.1633, 0.2489, 0.3821**, and if you desaturate by 10%, it is **80.7315, 0.2600, 0.3648**.

# Distribution



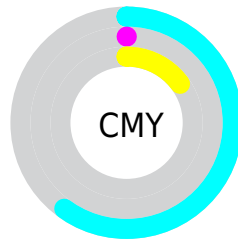
- Red (40%)
- Green (100%)
- Blue (85%)



- Red (40%)
- Yellow (74%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7123, 0.2535, 0.3733 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 78.7123, 0.2535, 0.3733 by changing the saturation by 10% instead.





 78.7123, 0.2535,  
0.3733


 78.7123, 0.2535,  
0.3733

490.5825, 0.2806,  
0.3527

 58.6593, 0.2474,  
0.3780

 131.5538, 0.2628,  
0.3661

 42.3389, 0.2400,  
0.3839

 165.1110, 0.2665,  
0.3634

 29.3668, 0.2306,  
0.3913


 203.9384, 0.2696,  
0.3610

 19.3584, 0.2185,  
0.4010

248.4205, 0.2724,  
0.3589

 11.9296, 0.2024,  
0.4142

298.9415, 0.2748,  
0.3571

 6.6957, 0.1799,  
0.4331


355.8859, 0.2769,


 3.2726, 0.1469,


0.3554


0.4624


419.6381, 0.2788,  
0.3540


 1.2756, 0.0000,  
0.5665


 0.1222, 0.0000,  
1.0000


 78.7123, 0.2535,  
0.3733


 78.7123, 0.2535,  
0.3733


 77.1633, 0.2489,  
0.3821


 80.7315, 0.2600,  
0.3648


 76.0318, 0.2463,  
0.3909


 83.2495, 0.2682,  
0.3566


 75.2691, 0.2457,  
0.3997


 86.3035, 0.2778,  
0.3489

 74.7998, 0.2467,  
0.4082

 89.9244, 0.2886,  
0.3417

 94.1407, 0.3002,  
0.3351

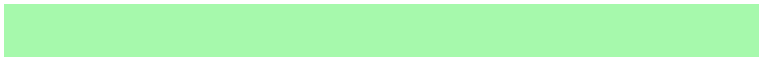
 98.9791, 0.3124,  
0.3292

 99.3740, 0.3128,  
0.3281

# Harmonies

## Analogous

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



78.7123, 0.3050, 0.4205



78.7123, 0.2535, 0.3733



78.7123, 0.2197, 0.3144

# Triad

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



78.7123, 0.2535, 0.3733



78.7123, 0.2586, 0.2396



78.7123, 0.4278, 0.3750

# Complementary

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



78.7123, 0.2535, 0.3733



32.1641, 0.4573, 0.2940

# 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.



78.7123, 0.4148, 0.3302



78.7123, 0.2535, 0.3733



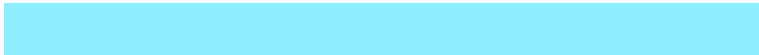
78.7123, 0.3120, 0.2562

# Square

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



78.7123, 0.2535, 0.3733



78.7123, 0.2228, 0.2425



78.7123, 0.3707, 0.2883



78.7123, 0.4070, 0.4141



# Rectangle

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



78.7123, 0.2535, 0.3733



78.7123, 0.2101, 0.2809



78.7123, 0.3707, 0.2883



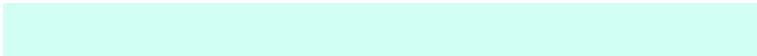
78.7123, 0.4274, 0.3602

# Sweetspot

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



78.7154, 0.2535, 0.3733



91.6336, 0.2912, 0.3402



77.3353, 0.3221, 0.5140



19.3643, 0.2879, 0.3422



0.0000, 0.0000, 0.0000

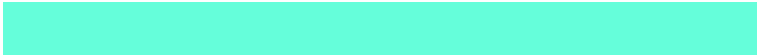


21.4041, 0.3127, 0.3290



# Same Dimension

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



78.7154, 0.2535, 0.3733



77.6178, 0.2483, 0.3836



58.8932, 0.2281, 0.2814



20.4040, 0.3011, 0.3347



39.4536, 0.2463, 0.4068



3.8583, 0.2436, 0.3968



# Inverse Universe

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



32.1641, 0.4573, 0.2940



27.0463, 0.5037, 0.2924



40.5265, 0.4756, 0.3673



18.0571, 0.3257, 0.3234



11.2983, 0.5980, 0.3068

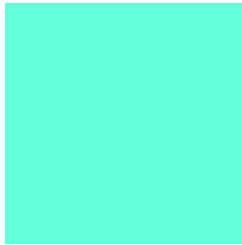


1.1161, 0.5670, 0.2897



# Previews

## White Background



This preview shows how the Yxy color 78.7123, 0.2535, 0.3733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

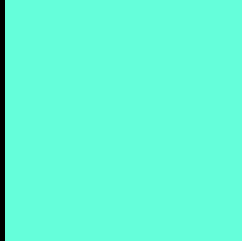
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7123, 0.2535, 0.3733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

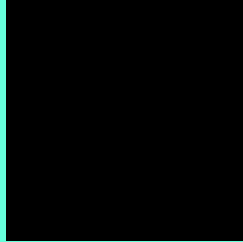
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.7123, 0.2535, 0.3733**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7123, 0.2535, 0.3733.



This preview shows how white text looks on a background with the Yxy color 78.7123, 0.2535, 0.3733.

# 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

78.7123, 0.2535, 0.3733

### Protanopia

77.3023, 0.3350, 0.3533

### Deuteranopia

76.9466, 0.3310, 0.3240



## Tritanopia

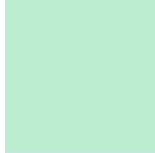
78.1299, 0.2607, 0.3133

# Trichromacy



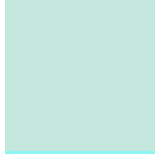
## Original Color

78.7123, 0.2535, 0.3733



## Protanomaly

75.8632, 0.2977, 0.3611



## Deuteranomaly

74.7229, 0.2951, 0.3402



## Tritanomaly

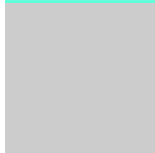
78.0731, 0.2569, 0.3335

# Monochromacy



## Original Color

78.7123, 0.2535, 0.3733



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

65.0615, 0.2839, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7123, 0.2535, 0.3733 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(101, 254, 218)` looks like.

```
.text, #text, p{  
    color:rgb(101, 254, 218)  
}
```

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(101, 254, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 254, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7123, 0.2535, 0.3733 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(101, 254, 218) }
```

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

```
.border{ border-color:rgb(101, 254, 218) }
```

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

Here you see how a box with a 4 pixel rgb(101, 254, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 254, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 254, 218);  
box-shadow:4px 4px 4px 4px rgb(101, 254,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7123, 0.2535, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 254, 218) }
```

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

```
.background{ background-color: rgb(101,  
254, 218) }
```

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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