

Converting Colors

$Y_{xy}(77.6227, 0.2833, 0.4381)$

Have a look what the booklet for
Yxy(77.6227, 0.2833, 0.4381)
contains.

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Color

Yxy(77.7038, 0.2834, 0.4381)

Conversions

Conversions Part 1

Format	Color
Hex	78FEA8
RGB	120, 254, 168
RGB Percent	47%, 100%, 66%
CMY	0.5290, 0.0039, 0.3412
CMYK	0.53, 0.00, 0.34, 0.00
HSL	141°, 99%, 73%
HSV	141°, 53%, 100%
XYZ	50.2654, 77.7038, 49.3963
YIQ	204.1300, -52.2580, -55.1540

Conversions

Conversions Part 2

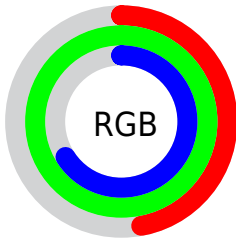
Format	Color
RYB	120, 219, 254
Decimal	7929512
CIELab	90.64, -55.33, 30.19
CIELCh	91, 63.036, 151.381
Yxy	77.7038, 0.2834, 0.4381
Android (android.graphics.Color)	4286119592 (0xFF78FEA8)
YUV	204.1300, -17.8121, -73.7820
Hunter-Lab	88.1498, -52.4766, 28.4806

Details

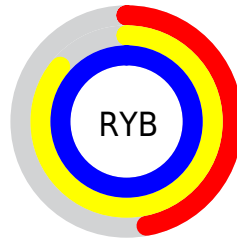
The Yxy color **77.7038, 0.2834, 0.4381** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **38.9863, 0.3658, 0.2427**, and the grayscale version is **60.6263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6051, 0.2855, 0.3634**, and **41.5299, 0.2746, 0.4672** is the 20% darker color. If you saturate the color by 10%, you get **75.5533, 0.2807, 0.4633**, and if you desaturate by 10%, it is **80.4185, 0.2875, 0.4137**.

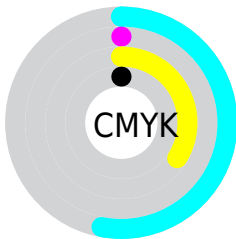
Distribution



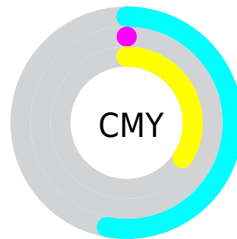
- Red (47%)
- Green (100%)
- Blue (66%)



- Red (47%)
- Yellow (86%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7038, 0.2834, 0.4381 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 77.7038, 0.2834, 0.4381 by changing the saturation by 10% instead.

 77.7038, 0.2834,
0.4381


 77.7038, 0.2834,
0.4381

487.1603, 0.2986,
0.3847


 57.8307, 0.2795,
0.4510


 130.1325, 0.2890,
0.4190

 41.6725, 0.2745,
0.4672


 163.4569, 0.2911,
0.4118

 28.8450, 0.2677,
0.4882

 202.0338, 0.2929,
0.4056

 18.9636, 0.2583,
0.5164

246.2476, 0.2944,
0.4003

 11.6440, 0.2444,
0.5560

296.4828, 0.2956,
0.3956

 6.5017, 0.2224,
0.6146


353.1237, 0.2968,


 3.1525, 0.1888,


0.3915


0.7245


416.5548, 0.2978,
0.3879


 1.2119, 0.0000,
1.0000


 0.0714, 0.0000,
1.0000

 77.7038, 0.2834,
0.4381


 77.7038, 0.2834,
0.4381


 75.5533, 0.2807,
0.4633

 80.4185, 0.2875,
0.4137


 73.9158, 0.2796,
0.4884


 83.7254, 0.2926,
0.3907


 72.7465, 0.2804,
0.5124

 87.6616, 0.2984,
0.3695

 71.9875, 0.2829,
0.5341

 92.2586, 0.3046,
0.3504

 71.6329, 0.2856,
0.5481

 97.5455, 0.3110,
0.3333

99.3596, 0.3128,
0.3280

Harmonies

Analogous

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



77.7038, 0.3546, 0.4659



77.7038, 0.2834, 0.4381



77.7038, 0.2240, 0.3667

Triad

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



77.7038, 0.2834, 0.4381



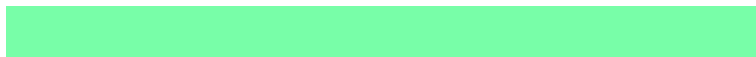
77.7038, 0.2089, 0.2176



77.7038, 0.4524, 0.3415

Complementary

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



77.7038, 0.2834, 0.4381



38.9863, 0.3658, 0.2427

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.



77.7038, 0.4039, 0.2891



77.7038, 0.2834, 0.4381



77.7038, 0.2586, 0.2212

Square

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



77.7038, 0.2834, 0.4381



77.7038, 0.1858, 0.2397



77.7038, 0.3297, 0.2466



77.7038, 0.4561, 0.3965

Rectangle

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



77.7038, 0.2834, 0.4381



77.7038, 0.1983, 0.3144



77.7038, 0.3297, 0.2466



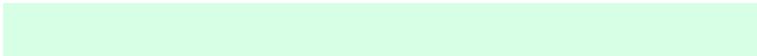
77.7038, 0.4408, 0.3234

Sweetspot

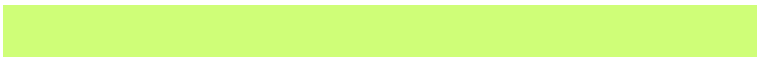
The Sweet Spot groups the original color and five complimentary colors.



77.7070, 0.2834, 0.4381



91.4921, 0.3025, 0.3564



85.5221, 0.3569, 0.4724



19.3767, 0.3013, 0.3603



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.



77.7070, 0.2834, 0.4381



76.1797, 0.2806, 0.4641



80.8149, 0.2533, 0.3526



20.2756, 0.3066, 0.3446



37.7934, 0.2848, 0.5451



3.6998, 0.2784, 0.5224

Inverse Universe

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



38.9863, 0.3658, 0.2427



33.3829, 0.3810, 0.2295



36.4247, 0.4439, 0.3089



18.1835, 0.3193, 0.3138



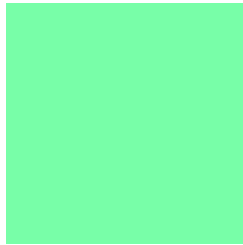
12.5344, 0.4373, 0.2183



1.2413, 0.4205, 0.2090

Previews

White Background



This preview shows how the Yxy color 77.7038, 0.2834, 0.4381 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 77.7038, 0.2834, 0.4381 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 77.7038, 0.2834, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 77.7038, 0.2834, 0.4381.

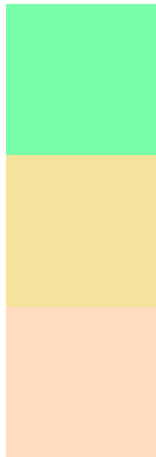


This preview shows how white text looks on a background with the Yxy color 77.7038, 0.2834, 0.4381.

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

77.7038, 0.2834, 0.4381

Protanopia

76.2055, 0.3739, 0.4022

Deuteranopia

76.2522, 0.3582, 0.3577



Tritanopia

77.0600, 0.2609, 0.3110

Trichromacy



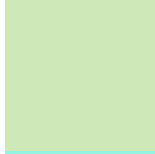
Original Color

77.7038, 0.2834, 0.4381



Protanomaly

74.8083, 0.3352, 0.4168



Deuteranomaly

74.2539, 0.3258, 0.3849



Tritanomaly

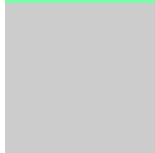
76.4186, 0.2688, 0.3538

Monochromacy



Original Color

77.7038, 0.2834, 0.4381



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.8884, 0.2986, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7038, 0.2834, 0.4381 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(120, 254, 168)` looks like.

```
.text, #text, p{  
    color:rgb(120, 254, 168)  
}
```

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(120, 254, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 254, 168) }
```

Border

The CSS property to change the border of an element to Yxy 77.7038, 0.2834, 0.4381 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(120, 254, 168) }
```

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

```
.border{ border-color:rgb(120, 254, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 254, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 254, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 254, 168);  
box-shadow:4px 4px 4px 4px rgb(120, 254,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7038, 0.2834, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 254, 168) }
```

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

```
.background{ background-color: rgb(120,  
254, 168) }
```

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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