

Converting Colors

$Y_{xy}(77.8291, 0.2792, 0.4295)$

Have a look what the booklet for
Yxy(77.8291, 0.2792, 0.4295)
contains.

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Color

Yxy(77.8303, 0.2792, 0.4291)

Conversions

Conversions Part 1

Format	Color
Hex	76FEAF
RGB	118, 254, 175
RGB Percent	46%, 100%, 69%
CMY	0.5376, 0.0039, 0.3137
CMYK	0.54, 0.00, 0.31, 0.00
HSL	145°, 99%, 73%
HSV	145°, 54%, 100%
XYZ	50.6414, 77.8303, 52.9086
YIQ	204.3300, -55.6970, -53.4010

Conversions

Conversions Part 2

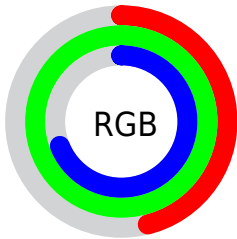
Format	Color
RYB	118, 214, 254
Decimal	7798447
CIELab	90.70, -54.58, 26.73
CIElCh	91, 60.774, 153.903
Yxy	77.8303, 0.2792, 0.4291
Android (android.graphics.Color)	4285988527 (0xFF76FEAF)
YUV	204.3300, -14.4597, -75.7114
Hunter-Lab	88.2215, -51.9240, 26.1973

Details

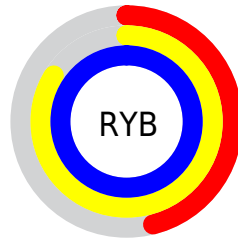
The Yxy color **77.8303, 0.2792, 0.4291** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **38.0378, 0.3764, 0.2493**, and the grayscale version is **60.7104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7545, 0.2809, 0.3555**, and **41.5888, 0.2695, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **75.7416, 0.2762, 0.4520**, and if you desaturate by 10%, it is **80.4672, 0.2837, 0.4070**.

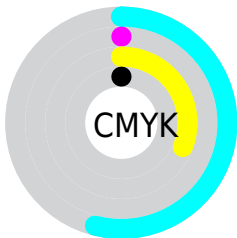
Distribution



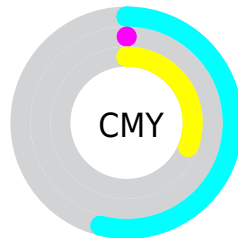
- Red (46%)
- Green (100%)
- Blue (69%)



- Red (46%)
- Yellow (84%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8303, 0.2792, 0.4291 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 77.8303, 0.2792, 0.4291 by changing the saturation by 10% instead.


 77.8303, 0.2792,
0.4291

 77.8303, 0.2792,
0.4291


487.5903, 0.2960,
0.3803

 57.9346, 0.2750,
0.4408


 130.3109, 0.2853,
0.4117

 41.7561, 0.2697,
0.4556

 163.6645, 0.2876,
0.4051

 28.9103, 0.2626,
0.4748


 202.2729, 0.2896,
0.3994

 19.0130, 0.2530,
0.5006

246.5205, 0.2912,
0.3945

 11.6797, 0.2390,
0.5368

296.7916, 0.2927,
0.3903

 6.5260, 0.2174,
0.5908


353.4707, 0.2939,


 3.1674, 0.1823,


0.3865

0.6827

416.9421, 0.2951,
0.3832

 1.2198, 0.0000,
1.0000


 0.0778, 0.0000,
1.0000


 77.8303, 0.2792,
0.4291

 77.8303, 0.2792,
0.4291


 75.7416, 0.2762,
0.4520


 80.4672, 0.2837,
0.4070

 74.1501, 0.2749,
0.4750


 83.6799, 0.2894,
0.3862


 73.0112, 0.2756,
0.4973

 87.5049, 0.2959,
0.3670

 72.2670, 0.2782,
0.5180

 91.9733, 0.3029,
0.3497

 71.9449, 0.2806,
0.5302

 97.1140, 0.3101,
0.3341

99.3730, 0.3128,
0.3281

Harmonies

Analogous

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



77.8303, 0.3478, 0.4605



77.8303, 0.2792, 0.4291



77.8303, 0.2232, 0.3590

Triad

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



77.8303, 0.2792, 0.4291



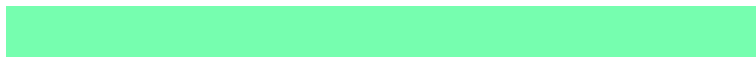
77.8303, 0.2153, 0.2205



77.8303, 0.4494, 0.3460

Complementary

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



77.8303, 0.2792, 0.4291



38.0378, 0.3764, 0.2493

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.



77.8303, 0.4059, 0.2945



77.8303, 0.2792, 0.4291



77.8303, 0.2656, 0.2258

Square

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



77.8303, 0.2792, 0.4291



77.8303, 0.1905, 0.2399



77.8303, 0.3355, 0.2521



77.8303, 0.4495, 0.3992

Rectangle

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



77.8303, 0.2792, 0.4291



77.8303, 0.1998, 0.3093



77.8303, 0.3355, 0.2521



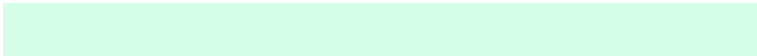
77.8303, 0.4394, 0.3283

Sweetspot

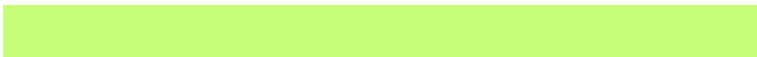
The Sweet Spot groups the original color and five complimentary colors.



77.8335, 0.2792, 0.4291



91.6335, 0.3012, 0.3537



84.1105, 0.3512, 0.4779



19.4102, 0.2997, 0.3572



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.



77.8335, 0.2792, 0.4291



76.3319, 0.2761, 0.4530



81.1897, 0.2488, 0.3421



20.2946, 0.3058, 0.3431



37.9531, 0.2798, 0.5272



3.7166, 0.2735, 0.5048

Inverse Universe

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



38.0378, 0.3764, 0.2493



32.4483, 0.3951, 0.2375



35.6015, 0.4585, 0.3180



18.1640, 0.3203, 0.3153



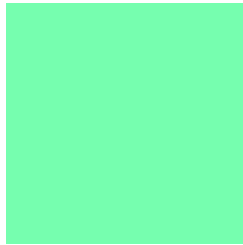
12.2573, 0.4625, 0.2321



1.2153, 0.4418, 0.2208

Previews

White Background



This preview shows how the Yxy color 77.8303, 0.2792, 0.4291 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 77.8303, 0.2792, 0.4291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

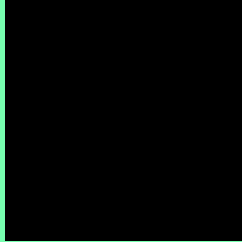
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8303, 0.2792, 0.4291

Background



This preview shows how black text looks on a background with the Yxy color 77.8303, 0.2792, 0.4291.

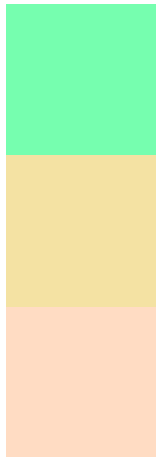


This preview shows how white text looks on a background with the Yxy color 77.8303, 0.2792, 0.4291.

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

77.8303, 0.2792, 0.4291

Protanopia

76.2702, 0.3685, 0.3952

Deuteranopia

76.3865, 0.3560, 0.3546



Tritanopia

77.0600, 0.2609, 0.3110

Trichromacy



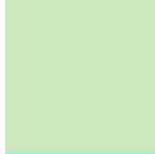
Original Color

77.8303, 0.2792, 0.4291



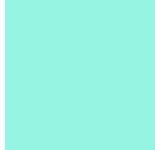
Protanomaly

74.7867, 0.3295, 0.4090



Deuteranomaly

74.3232, 0.3219, 0.3791



Tritanomaly

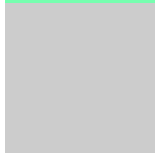
76.5819, 0.2674, 0.3502

Monochromacy



Original Color

77.8303, 0.2792, 0.4291



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.9770, 0.2974, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8303, 0.2792, 0.4291 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(118, 254, 175)` looks like.

```
.text, #text, p{  
    color:rgb(118, 254, 175)  
}
```

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(118, 254, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 254, 175) }
```

Border

The CSS property to change the border of an element to Yxy 77.8303, 0.2792, 0.4291 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(118, 254, 175) }
```

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

```
.border{ border-color:rgb(118, 254, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 254, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 254, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 254, 175);  
box-shadow:4px 4px 4px 4px rgb(118, 254,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8303, 0.2792, 0.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 254, 175) }
```

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

```
.background{ background-color: rgb(118,  
254, 175) }
```

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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