

Converting Colors

$Yxy(77.7573, 0.2808, 0.4418)$

Have a look what the booklet for
Yxy(77.7573, 0.2808, 0.4418)
contains.

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Color

Yxy(77.7548, 0.2806, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	70FFA7
RGB	112, 255, 167
RGB Percent	44%, 100%, 65%
CMY	0.5606, 0.0000, 0.3453
CMYK	0.56, 0.00, 0.35, 0.00
HSL	143°, 100%, 72%
HSV	143°, 56%, 100%
XYZ	49.4179, 77.7548, 48.9424
YIQ	202.2110, -56.9800, -57.6840

Conversions

Conversions Part 2

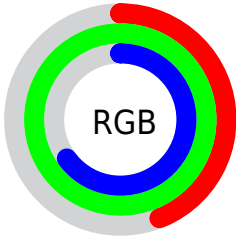
Format	Color
RYB	112, 215, 255
Decimal	7405479
CIELab	90.67, -57.72, 30.71
CIELCh	91, 65.380, 151.988
Yxy	77.7548, 0.2806, 0.4415
Android (android.graphics.Color)	4285595559 (0xFF70FFA7)
YUV	202.2110, -17.3590, -79.1150
Hunter-Lab	88.1787, -54.2761, 28.8170

Details

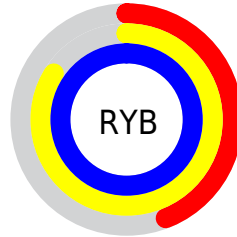
The Yxy color **77.7548, 0.2806, 0.4415** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.0319, 0.3749, 0.2415**, and the grayscale version is **59.3435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7319, 0.2823, 0.3650**, and **41.5985, 0.2708, 0.4718** is the 20% darker color. If you saturate the color by 10%, you get **75.7670, 0.2782, 0.4658**, and if you desaturate by 10%, it is **80.2893, 0.2845, 0.4177**.

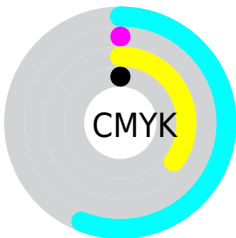
Distribution



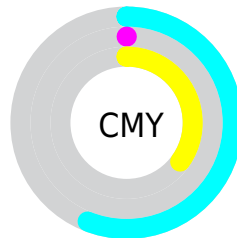
- Red (44%)
- Green (100%)
- Blue (65%)



- Red (44%)
- Yellow (84%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (56%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7548, 0.2806, 0.4415 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 77.7548, 0.2806, 0.4415 by changing the saturation by 10% instead.


 77.7548, 0.2806,
0.4415

 77.7548, 0.2806,
0.4415


487.3337, 0.2972,
0.3864


 57.8726, 0.2764,
0.4548


 130.2044, 0.2867,
0.4218

 41.7062, 0.2709,
0.4716


 163.5406, 0.2890,
0.4143

 28.8713, 0.2636,
0.4933


 202.1302, 0.2909,
0.4079

 18.9835, 0.2535,
0.5226

246.3577, 0.2925,
0.4024

 11.6584, 0.2386,
0.5636

296.6073, 0.2939,
0.3976

 6.5115, 0.2151,
0.6242


353.2636, 0.2952,


 3.1585, 0.1794,

0.3934

0.7399


416.7110, 0.2962,
0.3897

 1.2150, 0.0000,
1.0000


 0.0739, 0.0000,
1.0000


 77.7548, 0.2806,
0.4415


 77.7548, 0.2806,
0.4415


 75.7670, 0.2782,
0.4658

 80.2893, 0.2845,
0.4177


 74.2783, 0.2777,
0.4899


 83.4053, 0.2896,
0.3952

 73.2393, 0.2790,
0.5127

 87.1392, 0.2955,
0.3743

 72.5872, 0.2821,
0.5333

 91.5233, 0.3019,
0.3554

 72.4011, 0.2836,
0.5408

 96.5874, 0.3086,
0.3384

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.



77.7548, 0.3540, 0.4711



77.7548, 0.2806, 0.4415



77.7548, 0.2198, 0.3663

Triad

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



77.7548, 0.2806, 0.4415



77.7548, 0.2063, 0.2139



77.7548, 0.4581, 0.3425

Complementary

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



77.7548, 0.2806, 0.4415



37.0319, 0.3749, 0.2415

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.



77.7548, 0.4087, 0.2886



77.7548, 0.2806, 0.4415



77.7548, 0.2579, 0.2182

Square

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



77.7548, 0.2806, 0.4415



77.7548, 0.1821, 0.2357



77.7548, 0.3317, 0.2448



77.7548, 0.4605, 0.3991

Rectangle

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



77.7548, 0.2806, 0.4415



77.7548, 0.1940, 0.3119



77.7548, 0.3317, 0.2448



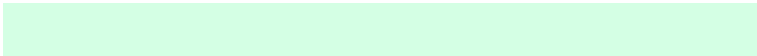
77.7548, 0.4464, 0.3239

Sweetspot

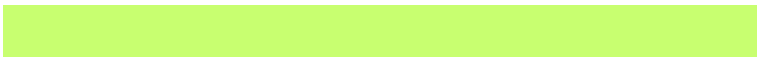
The Sweet Spot groups the original color and five complimentary colors.



77.7561, 0.2806, 0.4415



91.0834, 0.3013, 0.3571



84.9977, 0.3554, 0.4829



19.2983, 0.3000, 0.3608



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.



77.7561, 0.2806, 0.4415



75.6068, 0.2781, 0.4681



81.1596, 0.2488, 0.3486



20.2837, 0.3063, 0.3440



37.8580, 0.2827, 0.5377



3.7067, 0.2764, 0.5150

Inverse Universe

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



37.0319, 0.3749, 0.2415



31.3141, 0.3929, 0.2294



34.4354, 0.4633, 0.3129



18.1752, 0.3197, 0.3145



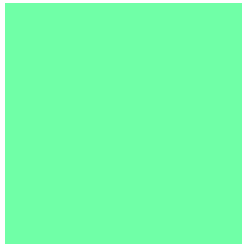
12.4116, 0.4479, 0.2241



1.2298, 0.4295, 0.2140

Previews

White Background



This preview shows how the Yxy color 77.7548, 0.2806, 0.4415 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 77.7548, 0.2806, 0.4415 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

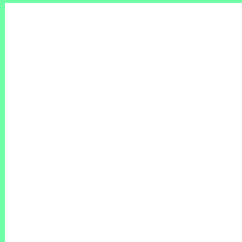
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7548, 0.2806, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 77.7548, 0.2806, 0.4415.



This preview shows how white text looks on a background with the Yxy color 77.7548, 0.2806, 0.4415.

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

77.7548, 0.2806, 0.4415

Protanopia

76.1717, 0.3746, 0.4032

Deuteranopia

76.2522, 0.3582, 0.3577



Tritanopia

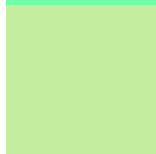
76.8455, 0.2599, 0.3110

Trichromacy



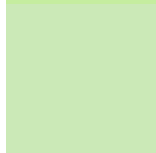
Original Color

77.7548, 0.2806, 0.4415



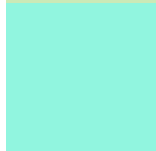
Protanomaly

74.9419, 0.3335, 0.4195



Deuteranomaly

74.3932, 0.3236, 0.3863



Tritanomaly

76.6523, 0.2671, 0.3551

Monochromacy



Original Color

77.7548, 0.2806, 0.4415



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.8220, 0.2972, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7548, 0.2806, 0.4415 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(112, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 167)  
}
```

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(112, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 167) }
```

Border

The CSS property to change the border of an element to Yxy 77.7548, 0.2806, 0.4415 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(112, 255, 167) }
```

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

```
.border{ border-color:rgb(112, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7548, 0.2806, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 167) }
```

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

```
.background{ background-color: rgb(112,  
255, 167) }
```

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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