

Converting Colors

$Y_{xy}(70.9059, 0.2779, 0.4720)$

Have a look what the booklet for
Yxy(70.9059, 0.2779, 0.4720)
contains.

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Color

Yxy(70.7377, 0.2781, 0.4721)

Conversions

Conversions Part 1

Format	Color
Hex	4EF88F
RGB	78, 248, 143
RGB Percent	31%, 97%, 56%
CMY	0.6938, 0.0274, 0.4394
CMYK	0.69, 0.00, 0.42, 0.03
HSL	143°, 92%, 64%
HSV	143°, 69%, 97%
XYZ	41.6695, 70.7377, 37.4291
YIQ	185.2000, -67.6150, -68.6950

Conversions

Conversions Part 2

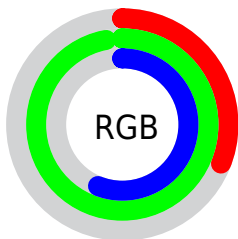
Format	Color
RYB	78, 201, 248
Decimal	5175439
CIELab	87.36, -65.67, 38.10
CIELCh	87, 75.922, 149.879
Yxy	70.7377, 0.2781, 0.4721
Android (android.graphics.Color)	4283365519 (0xFF4EF88F)
YUV	185.2000, -20.8046, -94.0144
Hunter-Lab	84.1057, -58.7487, 32.4885

Details

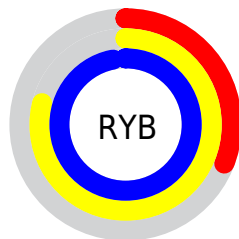
The Yxy color **70.7377, 0.2781, 0.4721** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **28.8401, 0.3948, 0.2277**, and the grayscale version is **48.7904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6170, 0.2806, 0.3974**, and **37.5822, 0.2745, 0.5081** is the 20% darker color. If you saturate the color by 10%, you get **69.4488, 0.2780, 0.4960**, and if you desaturate by 10%, it is **72.4906, 0.2800, 0.4477**.

Distribution



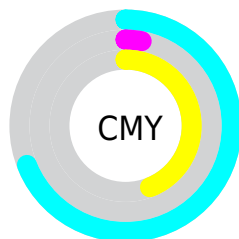
- Red (31%)
- Green (97%)
- Blue (56%)



- Red (31%)
- Yellow (79%)
- Blue (97%)



- Cyan (69%)
- Magenta (0%)
- Yellow (42%)
- Black (3%)




- Cyan (69%)
- Magenta (3%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7377, 0.2781, 0.4721 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 70.7377, 0.2781, 0.4721 by changing the saturation by 10% instead.


 70.7377, 0.2781,
0.4721


 70.7377, 0.2781,
0.4721

463.1360, 0.2973,
0.4001


 52.1282, 0.2729,
0.4899


 120.2602, 0.2854,
0.4460


 37.1072, 0.2659,
0.5126


 151.9419, 0.2881,
0.4361

 25.2905, 0.2563,
0.5422


 188.7498, 0.2903,
0.4278

 16.2936, 0.2425,
0.5824

 231.0683, 0.2921,
0.4207

 9.7322, 0.2214,
0.6387

279.2818, 0.2937,
0.4145

 5.2218, 0.1878,
0.7242


333.7746, 0.2950,

 2.3780, 0.0858,

0.4091

0.9142


394.9312, 0.2962,
0.4043


 0.8145, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.7377, 0.2781,
0.4721


 70.7377, 0.2781,
0.4721


 69.4488, 0.2780,
0.4960


 72.4906, 0.2800,
0.4477


 68.5658, 0.2797,
0.5184


 74.7411, 0.2836,
0.4237


 68.0218, 0.2831,
0.5384


 77.5292, 0.2884,
0.4008


 67.9563, 0.2837,
0.5412

 80.8886, 0.2941,
0.3794

 84.8498, 0.3004,
0.3599

 89.4415, 0.3070,
0.3424

 94.6902, 0.3137,
0.3268

 95.6155, 0.3130,
0.3223

Harmonies

Analogous

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



70.7377, 0.3639, 0.4997



70.7377, 0.2781, 0.4721



70.7377, 0.2064, 0.3804

Triad

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



70.7377, 0.2781, 0.4721



70.7377, 0.1859, 0.1958



70.7377, 0.4840, 0.3368

Complementary

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



70.7377, 0.2781, 0.4721



28.8401, 0.3948, 0.2277

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.



70.7377, 0.4215, 0.2766



70.7377, 0.2781, 0.4721



70.7377, 0.2423, 0.1996

Square

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



70.7377, 0.2781, 0.4721



70.7377, 0.1609, 0.2214



70.7377, 0.3276, 0.2282



70.7377, 0.4883, 0.4016

Rectangle

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



70.7377, 0.2781, 0.4721



70.7377, 0.1761, 0.3128



70.7377, 0.3276, 0.2282



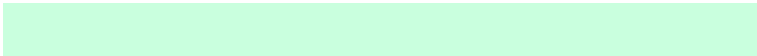
70.7377, 0.4690, 0.3159

Sweetspot

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



70.7406, 0.2781, 0.4721



89.2685, 0.2987, 0.3646



78.0877, 0.3612, 0.5117



18.8531, 0.2970, 0.3700



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.



70.7406, 0.2781, 0.4721



73.5984, 0.2784, 0.5043



74.2135, 0.2424, 0.3573



19.4189, 0.3063, 0.3440



36.7349, 0.2828, 0.5382



3.4222, 0.2762, 0.5143

Inverse Universe

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



28.8401, 0.3948, 0.2277



26.3073, 0.4186, 0.2204



26.3508, 0.5141, 0.3095



17.4056, 0.3197, 0.3144



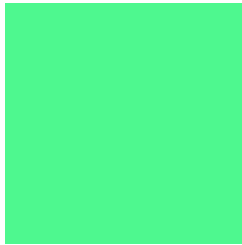
12.0564, 0.4469, 0.2235



1.1373, 0.4277, 0.2130

Previews

White Background



This preview shows how the Yxy color 70.7377, 0.2781, 0.4721 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 70.7377, 0.2781, 0.4721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

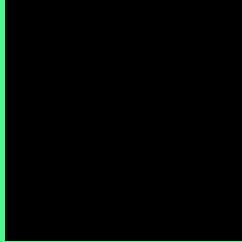
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7377, 0.2781, 0.4721

Background



This preview shows how black text looks on a background with the Yxy color 70.7377, 0.2781, 0.4721.



This preview shows how white text looks on a background with the Yxy color 70.7377, 0.2781, 0.4721.

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

70.7377, 0.2781, 0.4721

Protanopia

69.2689, 0.3879, 0.4209

Deuteranopia

68.8750, 0.3863, 0.3798



Tritanopia

70.2854, 0.2387, 0.3062

Trichromacy



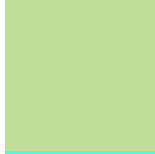
Original Color

70.7377, 0.2781, 0.4721



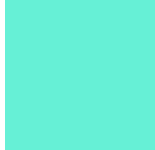
Protanomaly

66.8198, 0.3365, 0.4435



Deuteranomaly

66.1516, 0.3355, 0.4138



Tritanomaly

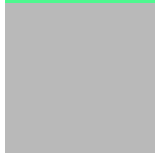
70.0000, 0.2523, 0.3621

Monochromacy



Original Color

70.7377, 0.2781, 0.4721



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.1250, 0.2933, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7377, 0.2781, 0.4721 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(78, 248, 143)` looks like.

```
.text, #text, p{  
  color:rgb(78, 248, 143)  
}
```

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(78, 248, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 248, 143) }
```

Border

The CSS property to change the border of an element to Yxy 70.7377, 0.2781, 0.4721 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(78, 248, 143) }
```

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

```
.border{ border-color:rgb(78, 248, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 248, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 248, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 248, 143);  
box-shadow:4px 4px 4px 4px rgb(78, 248,  
143) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.7377, 0.2781, 0.4721$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 248, 143) }
```

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

```
.background{ background-color: rgb(78, 248,  
143) }
```

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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