

Converting Colors

$Yxy(70.9944, 0.2675, 0.4468)$

Have a look what the booklet for
Yxy(70.9944, 0.2675, 0.4468)
contains.

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Color

Yxy(70.9732, 0.2677, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	45F8A1
RGB	69, 248, 161
RGB Percent	27%, 97%, 63%
CMY	0.7291, 0.0274, 0.3687
CMYK	0.72, 0.00, 0.35, 0.03
HSL	151°, 93%, 62%
HSV	151°, 72%, 97%
XYZ	42.4570, 70.9732, 45.1691
YIQ	184.5610, -78.7570, -65.0050

Conversions

Conversions Part 2

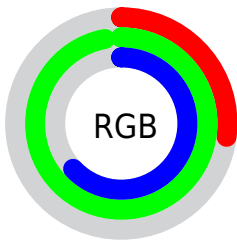
Format	Color
RYB	69, 187, 248
Decimal	4585633
CIELab	87.47, -63.79, 29.24
CIELCh	87, 70.167, 155.374
Yxy	70.9732, 0.2677, 0.4475
Android (android.graphics.Color)	4282775713 (0xFF45F8A1)
YUV	184.5610, -11.6156, -101.3470
Hunter-Lab	84.2456, -57.4716, 27.1830

Details

The Yxy color **70.9732, 0.2677, 0.4475** 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 **26.6265, 0.4353, 0.2473**, and the grayscale version is **48.3703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9668, 0.2692, 0.3752**, and **37.9310, 0.2654, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **69.8444, 0.2675, 0.4667**, and if you desaturate by 10%, it is **72.5275, 0.2699, 0.4282**.

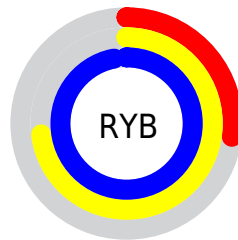
Distribution



Red (27%)

Green (97%)

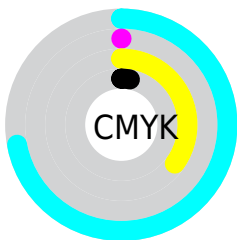
Blue (63%)



Red (27%)

Yellow (73%)

Blue (97%)

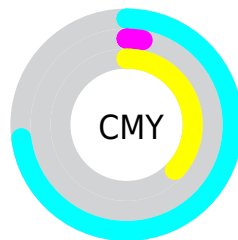


Cyan (72%)

Magenta (0%)

Yellow (35%)

Black (3%)



Cyan (73%)

Magenta (3%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9732, 0.2677, 0.4475 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 70.9732, 0.2677, 0.4475 by changing the saturation by 10% instead.

 70.9732, 0.2677,
0.4475


 70.9732, 0.2677,
0.4475


463.9597, 0.2907,
0.3883


 52.3203, 0.2619,
0.4621

 120.5956, 0.2761,
0.4261

 37.2605, 0.2544,
0.4807


 152.3338, 0.2793,
0.4180

 25.4092, 0.2445,
0.5052


 189.2027, 0.2819,
0.4111

 16.3822, 0.2308,
0.5385

 231.5866, 0.2842,
0.4053

 9.7950, 0.2107,
0.5861

279.8698, 0.2861,
0.4002

 5.2633, 0.1795,
0.6580

334.4368, 0.2878,

 2.4025, 0.1025,

0.3957

0.8750

395.6720, 0.2893,
0.3918

■ 0.8272, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.9732, 0.2677,
0.4475

■ 70.9732, 0.2677,
0.4475

■ 69.8444, 0.2675,
0.4667

■ 72.5275, 0.2699,
0.4282


■ 69.0807, 0.2694,
0.4853

■ 74.5419, 0.2739,
0.4092


■ 68.6777, 0.2720,
0.4991


■ 77.0569, 0.2795,
0.3911

■ 80.1058, 0.2863,
0.3741

 83.7194, 0.2940,
0.3585

 87.9258, 0.3023,
0.3443

 92.7513, 0.3109,
0.3315

 95.6154, 0.3130,
0.3223

Harmonies

Analogous

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



70.9732, 0.3473, 0.4866



70.9732, 0.2677, 0.4475



70.9732, 0.2048, 0.3592

Triad

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



70.9732, 0.2677, 0.4475



70.9732, 0.2016, 0.2030



70.9732, 0.4762, 0.3488

Complementary

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



70.9732, 0.2677, 0.4475



26.6265, 0.4353, 0.2473

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.



70.9732, 0.4271, 0.2904



70.9732, 0.2677, 0.4475



70.9732, 0.2603, 0.2108

Square

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



70.9732, 0.2677, 0.4475



70.9732, 0.1724, 0.2222



70.9732, 0.3432, 0.2418



70.9732, 0.4715, 0.4101

Rectangle

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



70.9732, 0.2677, 0.4475



70.9732, 0.1798, 0.2996



70.9732, 0.3432, 0.2418



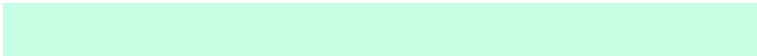
70.9732, 0.4655, 0.3287

Sweetspot

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



70.9761, 0.2677, 0.4475



89.2340, 0.2941, 0.3583



74.8901, 0.3458, 0.5301



18.8625, 0.2920, 0.3624



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.



70.9761, 0.2677, 0.4475



73.9555, 0.2682, 0.4761



75.1809, 0.2316, 0.3288



19.4581, 0.3045, 0.3408



37.1279, 0.2712, 0.4963



3.4601, 0.2653, 0.4750

Inverse Universe

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



26.6265, 0.4353, 0.2473



24.2807, 0.4739, 0.2469



24.6535, 0.5607, 0.3297



17.3659, 0.3217, 0.3175



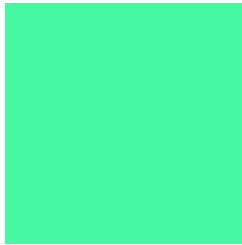
11.5493, 0.5020, 0.2539



1.0910, 0.4746, 0.2388

Previews

White Background



This preview shows how the Yxy color 70.9732, 0.2677, 0.4475 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 70.9732, 0.2677, 0.4475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

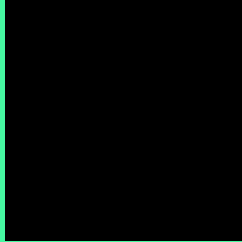
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.9732, 0.2677, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 70.9732, 0.2677, 0.4475.

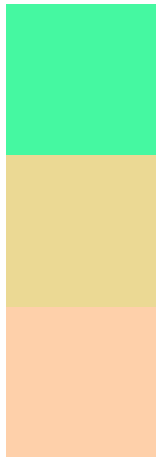


This preview shows how white text looks on a background with the Yxy color 70.9732, 0.2677, 0.4475.

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

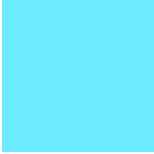
70.9732, 0.2677, 0.4475

Protanopia

69.4260, 0.3748, 0.4040

Deuteranopia

69.0849, 0.3772, 0.3686



Tritanopia

70.5259, 0.2365, 0.3062

Trichromacy



Original Color

70.9732, 0.2677, 0.4475



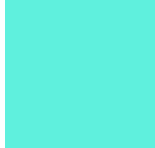
Protanomaly

66.9007, 0.3230, 0.4223



Deuteranomaly

66.1302, 0.3235, 0.3972



Tritanomaly

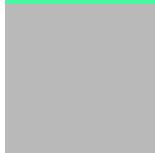
69.9735, 0.2468, 0.3530

Monochromacy



Original Color

70.9732, 0.2677, 0.4475



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.0860, 0.2875, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9732, 0.2677, 0.4475 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(69, 248, 161)` looks like.

```
.text, #text, p{  
    color:rgb(69, 248, 161)  
}
```

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(69, 248, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 248, 161) }
```

Border

The CSS property to change the border of an element to Yxy 70.9732, 0.2677, 0.4475 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(69, 248, 161) }
```

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

```
.border{ border-color:rgb(69, 248, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 248, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 248, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 248, 161);  
box-shadow:4px 4px 4px 4px rgb(69, 248,  
161) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.9732, 0.2677, 0.4475$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 248, 161) }
```

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

```
.background{ background-color: rgb(69, 248,  
161) }
```

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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