

Converting Colors

$Yxy(69.5975, 0.2802, 0.4783)$

Have a look what the booklet for
Yxy(69.5975, 0.2802, 0.4783)
contains.

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Color

Yxy(69.3662, 0.2799, 0.4773)

Conversions

Conversions Part 1

Format	Color
Hex	4EF68A
RGB	78, 246, 138
RGB Percent	31%, 96%, 54%
CMY	0.6945, 0.0352, 0.4588
CMYK	0.68, 0.00, 0.44, 0.04
HSL	141°, 90%, 64%
HSV	141°, 68%, 96%
XYZ	40.6780, 69.3662, 35.2862
YIQ	183.4560, -65.4600, -69.2040

Conversions

Conversions Part 2

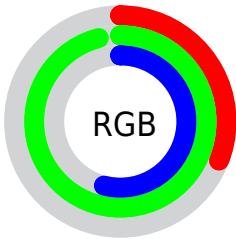
Format	Color
RYB	78, 202, 246
Decimal	5174922
CIELab	86.69, -65.81, 39.67
CIELCh	87, 76.839, 148.920
Yxy	69.3662, 0.2799, 0.4773
Android (android.graphics.Color)	4283365002 (0xFF4EF68A)
YUV	183.4560, -22.4098, -92.4849
Hunter-Lab	83.2864, -58.5698, 33.1809

Details

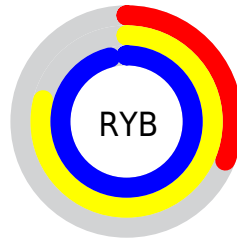
The Yxy color **69.3662, 0.2799, 0.4773** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **28.5704, 0.3890, 0.2242**, and the grayscale version is **47.7550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3900, 0.2830, 0.4037**, and **36.6383, 0.2764, 0.5150** is the 20% darker color. If you saturate the color by 10%, you get **68.0936, 0.2798, 0.5019**, and if you desaturate by 10%, it is **71.0993, 0.2817, 0.4520**.

Distribution



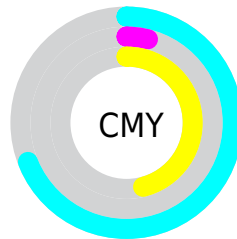
- Red (31%)
- Green (96%)
- Blue (54%)



- Red (31%)
- Yellow (79%)
- Blue (96%)



- Cyan (68%)
- Magenta (0%)
- Yellow (44%)
- Black (4%)



- Cyan (69%)
- Magenta (4%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3662, 0.2799, 0.4773 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 69.3662, 0.2799, 0.4773 by changing the saturation by 10% instead.


 69.3662, 0.2799,
0.4773

 69.3662, 0.2799,
0.4773


458.3215, 0.2985,
0.4023


 51.0100, 0.2747,
0.4959


 118.3045, 0.2871,
0.4501

 36.2166, 0.2677,
0.5196


 149.6553, 0.2897,
0.4398

 24.6015, 0.2580,
0.5506


 186.1065, 0.2918,
0.4312

 15.7804, 0.2438,
0.5926

 228.0425, 0.2936,
0.4237

 9.3689, 0.2218,
0.6514

275.8475, 0.2951,
0.4173

 4.9826, 0.1878,
0.7458


329.9061, 0.2964,


 2.2370, 0.0625,


0.4117


0.9375


390.6026, 0.2975,
0.4067


 0.7401, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.3662, 0.2799,
0.4773


 69.3662, 0.2799,
0.4773


 68.0936, 0.2798,
0.5019


 71.0993, 0.2817,
0.4520


 67.2243, 0.2816,
0.5247


 73.3259, 0.2851,
0.4271


 66.6934, 0.2849,
0.5448


 76.0856, 0.2897,
0.4033


 66.6226, 0.2855,
0.5479

 79.4115, 0.2951,
0.3811

 83.3339, 0.3011,
0.3608

 87.8811, 0.3074,
0.3426

 93.0792, 0.3138,
0.3265

 94.3990, 0.3131,
0.3204

Harmonies

Analogous

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



69.3662, 0.3671, 0.5024



69.3662, 0.2799, 0.4773



69.3662, 0.2064, 0.3848

Triad

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



69.3662, 0.2799, 0.4773



69.3662, 0.1827, 0.1941



69.3662, 0.4859, 0.3344

Complementary

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



69.3662, 0.2799, 0.4773



28.5704, 0.3890, 0.2242

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.



69.3662, 0.4207, 0.2738



69.3662, 0.2799, 0.4773



69.3662, 0.2387, 0.1972

Square

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



69.3662, 0.2799, 0.4773



69.3662, 0.1584, 0.2209



69.3662, 0.3246, 0.2254



69.3662, 0.4919, 0.4001

Rectangle

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



69.3662, 0.2799, 0.4773



69.3662, 0.1750, 0.3153



69.3662, 0.3246, 0.2254



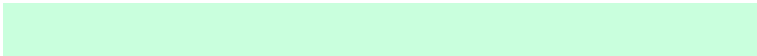
69.3662, 0.4701, 0.3134

Sweetspot

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



69.3690, 0.2799, 0.4773



89.1988, 0.2995, 0.3661



77.0539, 0.3631, 0.5100



18.8367, 0.2978, 0.3716



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.



69.3690, 0.2799, 0.4773



73.4704, 0.2803, 0.5109



72.7438, 0.2437, 0.3609



18.5699, 0.3067, 0.3446



35.5809, 0.2847, 0.5449



3.1461, 0.2777, 0.5197

Inverse Universe

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



28.5704, 0.3890, 0.2242



26.5117, 0.4112, 0.2160



26.0104, 0.5092, 0.3067



16.6618, 0.3193, 0.3139



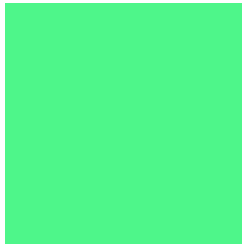
11.8044, 0.4369, 0.2181



1.0571, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 69.3662, 0.2799, 0.4773 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 69.3662, 0.2799, 0.4773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

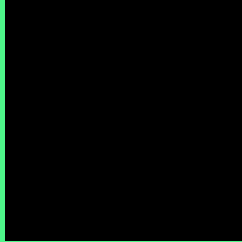
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.3662, 0.2799, 0.4773

Background



This preview shows how black text looks on a background with the Yxy color 69.3662, 0.2799, 0.4773.

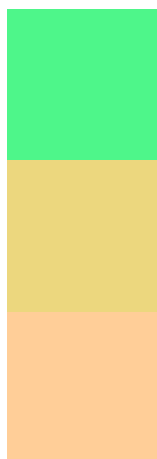


This preview shows how white text looks on a background with the Yxy color 69.3662, 0.2799, 0.4773.

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

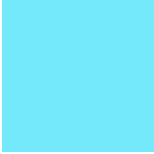
69.3662, 0.2799, 0.4773

Protanopia

67.9401, 0.3913, 0.4242

Deuteranopia

67.6696, 0.3924, 0.3850



Tritanopia

69.0191, 0.2391, 0.3061

Trichromacy



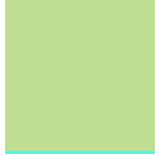
Original Color

69.3662, 0.2799, 0.4773



Protanomaly

65.5881, 0.3399, 0.4475



Deuteranomaly

64.8959, 0.3397, 0.4191



Tritanomaly

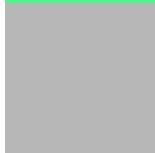
68.6770, 0.2532, 0.3637

Monochromacy



Original Color

69.3662, 0.2799, 0.4773



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.9524, 0.2944, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3662, 0.2799, 0.4773 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, 246, 138)` looks like.

```
.text, #text, p{  
    color:rgb(78, 246, 138)  
}
```

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, 246, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 246, 138) }
```

Border

The CSS property to change the border of an element to Yxy 69.3662, 0.2799, 0.4773 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, 246, 138) }
```

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

```
.border{ border-color:rgb(78, 246, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 246, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 246, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 246, 138);  
box-shadow:4px 4px 4px 4px rgb(78, 246,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3662, 0.2799, 0.4773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 246, 138) }
```

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

```
.background{ background-color: rgb(78, 246,  
138) }
```

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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