

Converting Colors

$Yxy(69.8749, 0.3085, 0.4773)$

Have a look what the booklet for
Yxy(69.8749, 0.3085, 0.4773)
contains.

Yxy(70.0493, 0.3085, 0.4768)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.0493, 0.3085, 0.4768)

Conversions

Conversions Part 1

Format	Color
Hex	85F280
RGB	133, 242, 128
RGB Percent	52%, 95%, 50%
CMY	0.4783, 0.0510, 0.4982
CMYK	0.45, 0.00, 0.47, 0.05
HSL	117°, 81%, 73%
HSV	117°, 47%, 95%
XYZ	45.3234, 70.0493, 31.5428
YIQ	196.4130, -28.3700, -58.5620

Conversions

Conversions Part 2

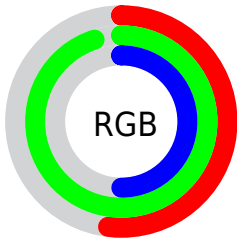
Format	Color
RYB	128, 242, 237
Decimal	8778368
CIELab	87.02, -53.43, 45.29
CIELCh	87, 70.038, 139.714
Yxy	70.0493, 0.3085, 0.4768
Android (android.graphics.Color)	4286968448 (0xFF85F280)
YUV	196.4130, -33.7276, -55.6132
Hunter-Lab	83.6955, -49.8043, 36.2419

Details

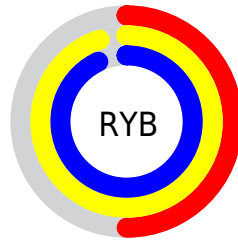
The Yxy color **70.0493, 0.3085, 0.4768** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.8352, 0.3135, 0.2129**, and the grayscale version is **55.6867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9738, 0.3142, 0.4113**, and **36.6756, 0.3028, 0.5170** is the 20% darker color. If you saturate the color by 10%, you get **67.8091, 0.3070, 0.5120**, and if you desaturate by 10%, it is **72.8616, 0.3098, 0.4411**.

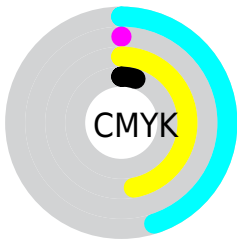
Distribution



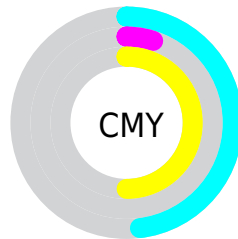
- Red (52%)
- Green (95%)
- Blue (50%)



- Red (50%)
- Yellow (95%)
- Blue (93%)



- Cyan (45%)
- Magenta (0%)
- Yellow (47%)
- Black (5%)




- Cyan (48%)
- Magenta (5%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0493, 0.3085, 0.4768 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 70.0493, 0.3085, 0.4768 by changing the saturation by 10% instead.


 70.0493, 0.3085,
0.4768


 70.0493, 0.3085,
0.4768

460.7231, 0.3139,
0.4031


 51.5667, 0.3062,
0.4947


 119.2791, 0.3112,
0.4503

 36.6598, 0.3027,
0.5173


 150.7950, 0.3120,
0.4402

 24.9442, 0.2973,
0.5465


 187.4243, 0.3126,
0.4317

 16.0355, 0.2884,
0.5852

229.5511, 0.3130,
0.4243

 9.5493, 0.2728,
0.6380

277.5601, 0.3134,
0.4180

 5.1012, 0.2520,
0.7349


331.8354, 0.3136,

 2.3067, 0.1742,


0.4124


0.8258


392.7617, 0.3138,
0.4075


 0.7773, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.0493, 0.3085,
0.4768


 70.0493, 0.3085,
0.4768


 67.8091, 0.3070,
0.5120


 72.8616, 0.3098,
0.4411


 66.0939, 0.3053,
0.5440

 76.2722, 0.3109,
0.4068


 64.8631, 0.3036,
0.5701

 80.3160, 0.3117,
0.3753

 64.0669, 0.3021,
0.5883

 85.0228, 0.3124,
0.3470

 63.6434, 0.3008,
0.5978

 90.4205, 0.3128,
0.3222

 63.5746, 0.3007,
0.5995

 91.9852, 0.3133,
0.3165

Harmonies

Analogous

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



70.0493, 0.3883, 0.4814



70.0493, 0.3085, 0.4768



70.0493, 0.2341, 0.4085

Triad

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



70.0493, 0.3085, 0.4768



70.0493, 0.1824, 0.2090



70.0493, 0.4572, 0.3175

Complementary

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



70.0493, 0.3085, 0.4768



39.8352, 0.3135, 0.2129

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.



70.0493, 0.3855, 0.2631



70.0493, 0.3085, 0.4768



70.0493, 0.2258, 0.2034

Square

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



70.0493, 0.3085, 0.4768



70.0493, 0.1685, 0.2448



70.0493, 0.2978, 0.2228



70.0493, 0.4810, 0.3782

Rectangle

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



70.0493, 0.3085, 0.4768



70.0493, 0.1979, 0.3456



70.0493, 0.2978, 0.2228



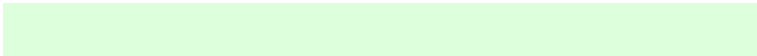
70.0493, 0.4374, 0.2983

Sweetspot

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



70.0522, 0.3085, 0.4768



92.0045, 0.3119, 0.3662



80.5991, 0.3848, 0.4394



19.4578, 0.3118, 0.3726



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.



70.0522, 0.3085, 0.4768



76.3584, 0.3070, 0.5121



71.3583, 0.2803, 0.4097



17.6898, 0.3122, 0.3534



34.1676, 0.3010, 0.5992



2.8541, 0.3035, 0.5972

Inverse Universe

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



39.8352, 0.3135, 0.2129



38.3528, 0.3132, 0.1922



38.0559, 0.3694, 0.2618



15.9936, 0.3131, 0.3057



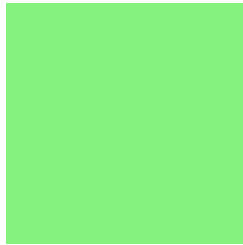
12.6097, 0.3098, 0.1481



1.0600, 0.3114, 0.1489

Previews

White Background



This preview shows how the Yxy color 70.0493, 0.3085, 0.4768 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 70.0493, 0.3085, 0.4768 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

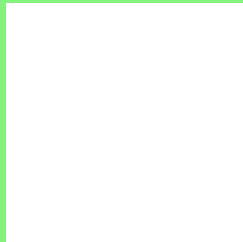
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0493, 0.3085, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 70.0493, 0.3085, 0.4768.

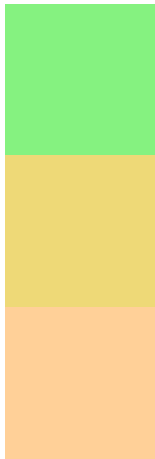


This preview shows how white text looks on a background with the Yxy color 70.0493, 0.3085, 0.4768.

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

70.0493, 0.3085, 0.4768

Protanopia

69.1348, 0.3963, 0.4321

Deuteranopia

68.6387, 0.3916, 0.3869



Tritanopia

69.9221, 0.2586, 0.3080

Trichromacy



Original Color

70.0493, 0.3085, 0.4768



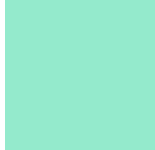
Protanomaly

68.0772, 0.3604, 0.4500



Deuteranomaly

67.0185, 0.3581, 0.4180



Tritanomaly

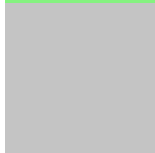
69.5012, 0.2768, 0.3662

Monochromacy



Original Color

70.0493, 0.3085, 0.4768



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

59.4130, 0.3116, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0493, 0.3085, 0.4768 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(133, 242, 128)` looks like.

```
.text, #text, p{  
    color:rgb(133, 242, 128)  
}
```

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(133, 242, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 242, 128) }
```

Border

The CSS property to change the border of an element to Yxy 70.0493, 0.3085, 0.4768 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(133, 242, 128) }
```

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

```
.border{ border-color:rgb(133, 242, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 242, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 242, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 242, 128);  
box-shadow:4px 4px 4px 4px rgb(133, 242,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0493, 0.3085, 0.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 242, 128) }
```

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

```
.background{ background-color: rgb(133,  
242, 128) }
```

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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