

Converting Colors

Yxy(71.6062, 0.3025, 0.5053)

Have a look what the booklet for
Yxy(71.6062, 0.3025, 0.5053)
contains.

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Color

Yxy(71.5783, 0.3026, 0.5054)

Conversions

Conversions Part 1

Format	Color
Hex	6DF871
RGB	109, 248, 113
RGB Percent	43%, 97%, 44%
CMY	0.5726, 0.0274, 0.5567
CMYK	0.56, 0.00, 0.54, 0.03
HSL	122°, 91%, 70%
HSV	122°, 56%, 97%
XYZ	42.8563, 71.5783, 27.1924
YIQ	191.0490, -39.5090, -71.4530

Conversions

Conversions Part 2

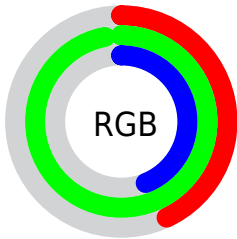
Format	Color
RYB	109, 244, 248
Decimal	7207025
CIELab	87.77, -63.85, 52.96
CIELCh	88, 82.957, 140.330
Yxy	71.5783, 0.3026, 0.5054
Android (android.graphics.Color)	4285397105 (0xFF6DF871)
YUV	191.0490, -38.4782, -71.9570
Hunter-Lab	84.6040, -57.6373, 40.1665

Details

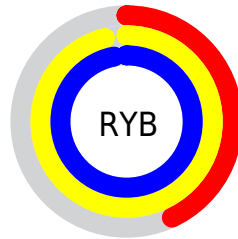
The Yxy color **71.5783, 0.3026, 0.5054** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.4229, 0.3227, 0.1996**, and the grayscale version is **52.3783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0051, 0.3096, 0.4311**, and **37.4828, 0.2935, 0.5539** is the 20% darker color. If you saturate the color by 10%, you get **69.7516, 0.3012, 0.5380**, and if you desaturate by 10%, it is **73.9984, 0.3043, 0.4702**.

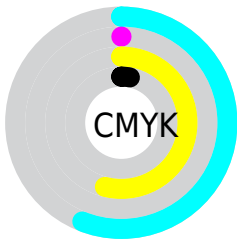
Distribution



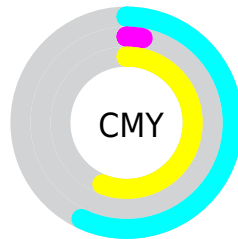
- Red (43%)
- Green (97%)
- Blue (44%)



- Red (43%)
- Yellow (96%)
- Blue (97%)



- Cyan (56%)
- Magenta (0%)
- Yellow (54%)
- Black (3%)




- Cyan (57%)
- Magenta (3%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5783, 0.3026, 0.5054 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 71.5783, 0.3026, 0.5054 by changing the saturation by 10% instead.

 71.5783, 0.3026,
0.5054


 71.5783, 0.3026,
0.5054


466.0725, 0.3123,
0.4171


 52.8143, 0.2989,
0.5267


 121.4568, 0.3071,
0.4737

 37.6545, 0.2934,
0.5535


 153.3400, 0.3085,
0.4616

 25.7147, 0.2851,
0.5877


 190.3652, 0.3096,
0.4514

 16.6103, 0.2719,
0.6323

232.9165, 0.3104,
0.4426

 9.9570, 0.2498,
0.6912

281.3786, 0.3111,
0.4350

 5.3705, 0.2158,
0.7842


336.1356, 0.3116,


 2.4662, 0.1118,

0.4283

0.8882


397.5721, 0.3120,
0.4224


 0.8597, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 71.5783, 0.3026,
0.5054

 71.5783, 0.3026,
0.5054

 69.7516, 0.3012,
0.5380


 73.9984, 0.3043,
0.4702


 68.4593, 0.3002,
0.5654


 77.0472, 0.3062,
0.4350

 67.6460, 0.2997,
0.5852

 80.7678, 0.3082,
0.4016

 67.2398, 0.2997,
0.5964

 85.1969, 0.3100,
0.3710

 67.1528, 0.2996,
0.5987

 90.3687, 0.3117,
0.3438

 95.6169, 0.3130,
0.3223

Harmonies

Analogous

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



71.5783, 0.3941, 0.5064



71.5783, 0.3026, 0.5054



71.5783, 0.2186, 0.4215

Triad

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



71.5783, 0.3026, 0.5054



71.5783, 0.1652, 0.1911



71.5783, 0.4835, 0.3144

Complementary

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



71.5783, 0.3026, 0.5054



37.4229, 0.3227, 0.1996

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.



71.5783, 0.3996, 0.2540



71.5783, 0.3026, 0.5054



71.5783, 0.2138, 0.1865

Square

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



71.5783, 0.3026, 0.5054



71.5783, 0.1490, 0.2287



71.5783, 0.2962, 0.2088



71.5783, 0.5076, 0.3818

Rectangle

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



71.5783, 0.3026, 0.5054



71.5783, 0.1789, 0.3445



71.5783, 0.2962, 0.2088



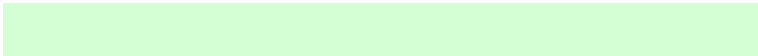
71.5783, 0.4608, 0.2932

Sweetspot

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



71.5813, 0.3026, 0.5054



90.2647, 0.3098, 0.3738



87.7772, 0.3917, 0.4632



19.1071, 0.3095, 0.3798



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.



71.5813, 0.3026, 0.5054



74.1351, 0.3010, 0.5412



73.7167, 0.2720, 0.4160



19.3174, 0.3112, 0.3528



36.2783, 0.2995, 0.5982



3.3628, 0.2983, 0.5938

Inverse Universe

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



37.4229, 0.3227, 0.1996



34.5276, 0.3245, 0.1816



34.0358, 0.3970, 0.2597



17.5153, 0.3143, 0.3063



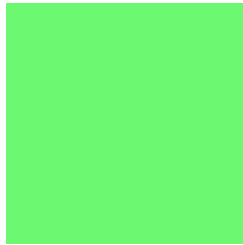
14.2079, 0.3283, 0.1582



1.3186, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 71.5783, 0.3026, 0.5054 looks on a white background.

Color Contrast Check

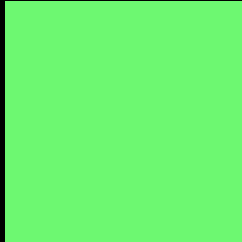
Large Text (above 18pt) WCAG AA × Fail

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 71.5783, 0.3026, 0.5054 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

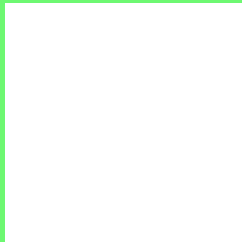
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5783, 0.3026, 0.5054

Background



This preview shows how black text looks on a background with the Yxy color 71.5783, 0.3026, 0.5054.

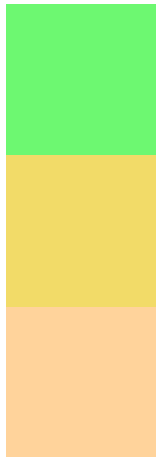


This preview shows how white text looks on a background with the Yxy color 71.5783, 0.3026, 0.5054.

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

71.5783, 0.3026, 0.5054

Protanopia

70.5398, 0.4071, 0.4456

Deuteranopia

70.2151, 0.3881, 0.3868



Tritanopia

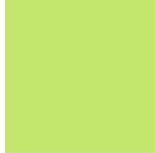
70.9688, 0.2493, 0.3067

Trichromacy



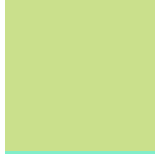
Original Color

71.5783, 0.3026, 0.5054



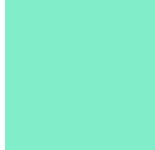
Protanomaly

69.1245, 0.3625, 0.4710



Deuteranomaly

67.7613, 0.3518, 0.4276



Tritanomaly

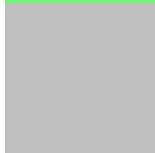
70.0332, 0.2692, 0.3758

Monochromacy



Original Color

71.5783, 0.3026, 0.5054



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.3084, 0.3082, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5783, 0.3026, 0.5054 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(109, 248, 113)` looks like.

```
.text, #text, p{  
    color:rgb(109, 248, 113)  
}
```

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(109, 248, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 248, 113) }
```

Border

The CSS property to change the border of an element to Yxy 71.5783, 0.3026, 0.5054 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(109, 248, 113) }
```

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

```
.border{ border-color:rgb(109, 248, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 248, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 248, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 248, 113);  
box-shadow:4px 4px 4px 4px rgb(109, 248,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5783, 0.3026, 0.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 248, 113) }
```

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

```
.background{ background-color: rgb(109,  
248, 113) }
```

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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