

Converting Colors

$Y_{xy}(71.6312, 0.2888, 0.4776)$

Have a look what the booklet for
Yxy(71.6312, 0.2888, 0.4776)
contains.

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Color

Yxy(71.6503, 0.2885, 0.4770)

Conversions

Conversions Part 1

Format	Color
Hex	64F889
RGB	100, 248, 137
RGB Percent	39%, 97%, 54%
CMY	0.6080, 0.0274, 0.4626
CMYK	0.60, 0.00, 0.45, 0.03
HSL	135°, 91%, 68%
HSV	135°, 60%, 97%
XYZ	43.3357, 71.6503, 35.2243
YIQ	191.0940, -52.5770, -65.8970

Conversions

Conversions Part 2

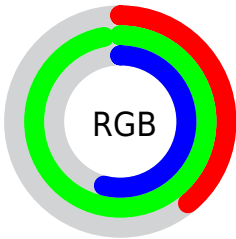
Format	Color
RYB	100, 218, 248
Decimal	6617225
CIELab	87.80, -62.58, 41.67
CIELCh	88, 75.184, 146.342
Yxy	71.6503, 0.2885, 0.4770
Android (android.graphics.Color)	4284807305 (0xFF64F889)
YUV	191.0940, -26.6683, -79.8894
Hunter-Lab	84.6465, -56.7464, 34.5799

Details

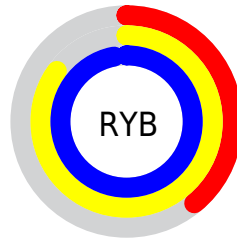
The Yxy color **71.6503, 0.2885, 0.4770** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **33.7616, 0.3573, 0.2193**, and the grayscale version is **52.3334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0072, 0.2923, 0.4031**, and **37.5473, 0.2783, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **69.9602, 0.2874, 0.5054**, and if you desaturate by 10%, it is **73.8684, 0.2909, 0.4481**.

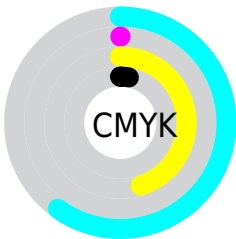
Distribution



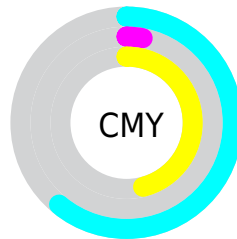
- Red (39%)
- Green (97%)
- Blue (54%)



- Red (39%)
- Yellow (85%)
- Blue (97%)



- Cyan (60%)
- Magenta (0%)
- Yellow (45%)
- Black (3%)





- Cyan (61%)
- Magenta (3%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6503, 0.2885, 0.4770 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 71.6503, 0.2885, 0.4770 by changing the saturation by 10% instead.


 71.6503, 0.2885,
0.4770

 71.6503, 0.2885,
0.4770


466.3235, 0.3031,
0.4028

 52.8731, 0.2842,
0.4952


 121.5592, 0.2943,
0.4502

 37.7014, 0.2784,
0.5183


 153.4597, 0.2964,
0.4401

 25.7511, 0.2701,
0.5483


 190.5034, 0.2980,
0.4315

 16.6375, 0.2578,
0.5886

233.0746, 0.2994,
0.4241

 9.9764, 0.2384,
0.6444

281.5579, 0.3005,
0.4177

 5.3833, 0.2080,
0.7324

336.3375, 0.3015,

 2.4739, 0.1225,

0.4121

0.8775

397.7979, 0.3024,
0.4072

0.8635, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.6503, 0.2885,
0.4770

71.6503, 0.2885,
0.4770

69.9602, 0.2874,
0.5054

73.8684, 0.2909,
0.4481

68.7440, 0.2877,
0.5318


76.6454, 0.2944,
0.4200

67.9515, 0.2896,
0.5546

80.0201, 0.2986,
0.3936


67.4999, 0.2925,
0.5728

84.0253, 0.3032,
0.3694

 67.4889, 0.2926,
0.5733

 88.6913, 0.3080,
0.3477

 94.0467, 0.3129,
0.3285

 95.6198, 0.3130,
0.3223

Harmonies

Analogous

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



71.6503, 0.3734, 0.4957



71.6503, 0.2885, 0.4770



71.6503, 0.2148, 0.3919

Triad

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



71.6503, 0.2885, 0.4770



71.6503, 0.1828, 0.1987



71.6503, 0.4772, 0.3296

Complementary

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



71.6503, 0.2885, 0.4770



33.7616, 0.3573, 0.2193

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.



71.6503, 0.4099, 0.2709



71.6503, 0.2885, 0.4770



71.6503, 0.2350, 0.1992

Square

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



71.6503, 0.2885, 0.4770



71.6503, 0.1616, 0.2280



71.6503, 0.3165, 0.2248



71.6503, 0.4886, 0.3935

Rectangle

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



71.6503, 0.2885, 0.4770



71.6503, 0.1819, 0.3243



71.6503, 0.3165, 0.2248



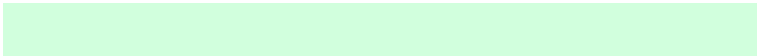
71.6503, 0.4601, 0.3091

Sweetspot

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



71.6533, 0.2885, 0.4770



90.2889, 0.3040, 0.3656



81.9067, 0.3708, 0.4841



19.0368, 0.3026, 0.3723



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.



71.6533, 0.2885, 0.4770



74.1683, 0.2873, 0.5120



74.5489, 0.2548, 0.3756



19.3806, 0.3081, 0.3473



36.4736, 0.2919, 0.5708



3.3943, 0.2857, 0.5485

Inverse Universe

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



33.7616, 0.3573, 0.2193



30.4216, 0.3699, 0.2045



30.8674, 0.4519, 0.2919



17.4459, 0.3176, 0.3114



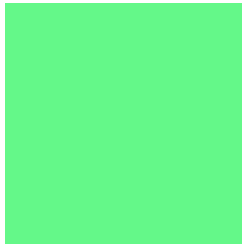
12.7166, 0.3966, 0.1958



1.1947, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 71.6503, 0.2885, 0.4770 looks on a white background.

Color Contrast Check

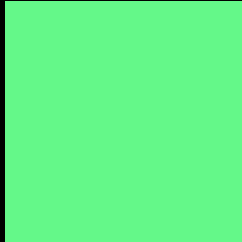
Large Text (above 18pt) WCAG AA × Fail

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 71.6503, 0.2885, 0.4770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

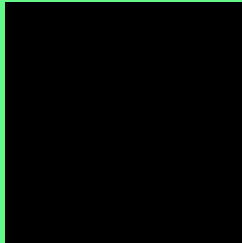
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6503, 0.2885, 0.4770

Background



This preview shows how black text looks on a background with the Yxy color 71.6503, 0.2885, 0.4770.



This preview shows how white text looks on a background with the Yxy color 71.6503, 0.2885, 0.4770.

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

71.6503, 0.2885, 0.4770

Protanopia

69.9999, 0.3922, 0.4261

Deuteranopia

69.9264, 0.3841, 0.3798



Tritanopia

71.4780, 0.2450, 0.3066

Trichromacy



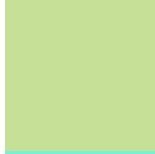
Original Color

71.6503, 0.2885, 0.4770



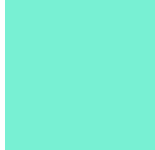
Protanomaly

68.3417, 0.3458, 0.4477



Deuteranomaly

67.7204, 0.3419, 0.4144



Tritanomaly

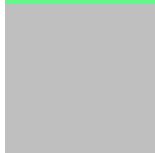
71.0164, 0.2607, 0.3654

Monochromacy



Original Color

71.6503, 0.2885, 0.4770



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.2963, 0.3010, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6503, 0.2885, 0.4770 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(100, 248, 137)` looks like.

```
.text, #text, p{  
    color:rgb(100, 248, 137)  
}
```

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(100, 248, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 248, 137) }
```

Border

The CSS property to change the border of an element to Yxy 71.6503, 0.2885, 0.4770 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(100, 248, 137) }
```

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

```
.border{ border-color:rgb(100, 248, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 248, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 248, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 248, 137);  
box-shadow:4px 4px 4px 4px rgb(100, 248,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6503, 0.2885, 0.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 248, 137) }
```

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

```
.background{ background-color: rgb(100,  
248, 137) }
```

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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