

Converting Colors

$Yxy(70.8382, 0.2970, 0.4800)$

Have a look what the booklet for
Yxy(70.8382, 0.2970, 0.4800)
contains.

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Color

Yxy(71.1276, 0.2972, 0.4806)

Conversions

Conversions Part 1

Format	Color
Hex	72F683
RGB	114, 246, 131
RGB Percent	45%, 96%, 51%
CMY	0.5532, 0.0352, 0.4862
CMYK	0.54, 0.00, 0.47, 0.04
HSL	128°, 88%, 71%
HSV	128°, 54%, 96%
XYZ	43.9849, 71.1276, 32.8850
YIQ	193.4220, -41.7570, -63.7490

Conversions

Conversions Part 2

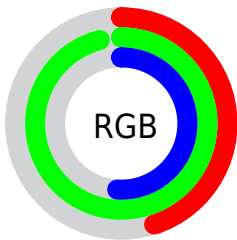
Format	Color
RYB	114, 231, 246
Decimal	7534211
CIELab	87.55, -59.58, 44.34
CIElCh	88, 74.268, 143.340
Yxy	71.1276, 0.2972, 0.4806
Android (android.graphics.Color)	4285724291 (0xFF72F683)
YUV	193.4220, -30.7740, -69.6531
Hunter-Lab	84.3372, -54.4959, 35.9175

Details

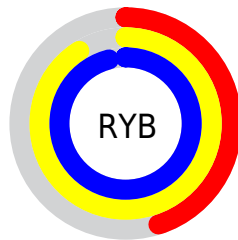
The Yxy color **71.1276, 0.2972, 0.4806** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.2663, 0.3349, 0.2146**, and the grayscale version is **53.7838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0638, 0.3020, 0.4090**, and **37.5405, 0.2887, 0.5227** is the 20% darker color. If you saturate the color by 10%, you get **69.1760, 0.2957, 0.5126**, and if you desaturate by 10%, it is **73.6486, 0.2995, 0.4480**.

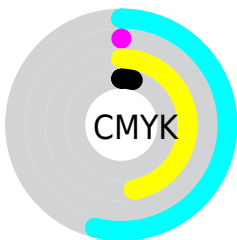
Distribution



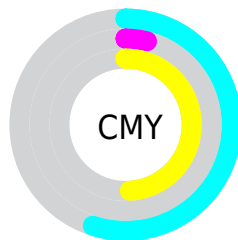
- Red (45%)
- Green (96%)
- Blue (51%)



- Red (45%)
- Yellow (91%)
- Blue (96%)



- Cyan (54%)
- Magenta (0%)
- Yellow (47%)
- Black (4%)




- Cyan (55%)
- Magenta (4%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.1276, 0.2972, 0.4806 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 71.1276, 0.2972, 0.4806 by changing the saturation by 10% instead.


 71.1276, 0.2972,
0.4806

 71.1276, 0.2972,
0.4806


464.4994, 0.3080,
0.4047


 52.4463, 0.2937,
0.4992


 120.8154, 0.3018,
0.4532

 37.3610, 0.2887,
0.5226


 152.5907, 0.3033,
0.4429

 25.4871, 0.2815,
0.5530


 189.4995, 0.3045,
0.4341

 16.4403, 0.2702,
0.5934

231.9262, 0.3055,
0.4265

 9.8363, 0.2519,
0.6490

280.2551, 0.3063,
0.4200

 5.2905, 0.2249,
0.7441


334.8707, 0.3070,

 2.4187, 0.1394,


0.4143


0.8606


396.1573, 0.3075,
0.4092


 0.8355, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.1276, 0.2972,
0.4806

 71.1276, 0.2972,
0.4806


 69.1760, 0.2957,
0.5126


 73.6486, 0.2995,
0.4480


 67.7410, 0.2950,
0.5418


 76.7693, 0.3023,
0.4165

 66.7750, 0.2954,
0.5662

 80.5285, 0.3053,
0.3871

 66.2172, 0.2967,
0.5840

 84.9589, 0.3085,
0.3605

 66.0225, 0.2977,
0.5917

 90.0914, 0.3116,
0.3370

 94.3992, 0.3131,
0.3204

Harmonies

Analogous

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



71.1276, 0.3813, 0.4922



71.1276, 0.2972, 0.4806



71.1276, 0.2219, 0.4014

Triad

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



71.1276, 0.2972, 0.4806



71.1276, 0.1804, 0.2012



71.1276, 0.4712, 0.3236

Complementary

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



71.1276, 0.2972, 0.4806



37.2663, 0.3349, 0.2146

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.



71.1276, 0.4002, 0.2661



71.1276, 0.2972, 0.4806



71.1276, 0.2291, 0.1990

Square

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



71.1276, 0.2972, 0.4806



71.1276, 0.1623, 0.2338



71.1276, 0.3074, 0.2221



71.1276, 0.4885, 0.3869

Rectangle

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



71.1276, 0.2972, 0.4806



71.1276, 0.1869, 0.3341



71.1276, 0.3074, 0.2221



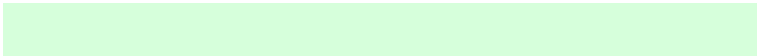
71.1276, 0.4524, 0.3035

Sweetspot

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



71.1306, 0.2972, 0.4806



90.9859, 0.3077, 0.3665



84.0553, 0.3794, 0.4634



19.2572, 0.3071, 0.3719



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.



71.1306, 0.2972, 0.4806



74.9752, 0.2956, 0.5139



73.4490, 0.2667, 0.3935



18.5069, 0.3098, 0.3502



35.2473, 0.2972, 0.5900



3.1087, 0.2923, 0.5725

Inverse Universe

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



37.2663, 0.3349, 0.2146



34.8141, 0.3402, 0.1978



34.3136, 0.4081, 0.2758



16.7292, 0.3158, 0.3086



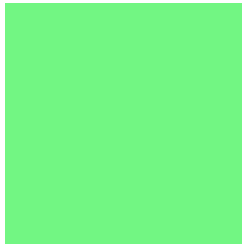
13.0693, 0.3565, 0.1738



1.1587, 0.3514, 0.1709

Previews

White Background



This preview shows how the Yxy color 71.1276, 0.2972, 0.4806 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 71.1276, 0.2972, 0.4806 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

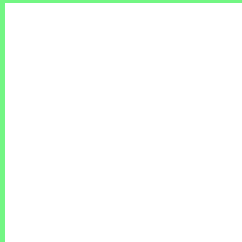
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.1276, 0.2972, 0.4806

Background



This preview shows how black text looks on a background with the Yxy color 71.1276, 0.2972, 0.4806.



This preview shows how white text looks on a background with the Yxy color 71.1276, 0.2972, 0.4806.

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

71.1276, 0.2972, 0.4806

Protanopia

69.8740, 0.3953, 0.4308

Deuteranopia

69.7875, 0.3870, 0.3838



Tritanopia

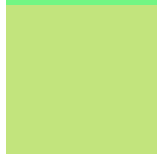
70.5179, 0.2505, 0.3067

Trichromacy



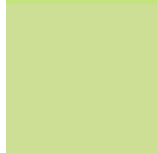
Original Color

71.1276, 0.2972, 0.4806



Protanomaly

68.4368, 0.3535, 0.4505



Deuteranomaly

67.7508, 0.3485, 0.4169



Tritanomaly

69.9789, 0.2675, 0.3666

Monochromacy



Original Color

71.1276, 0.2972, 0.4806



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

57.8818, 0.3058, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1276, 0.2972, 0.4806 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(114, 246, 131)` looks like.

```
.text, #text, p{  
    color:rgb(114, 246, 131)  
}
```

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(114, 246, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 246, 131) }
```

Border

The CSS property to change the border of an element to Yxy 71.1276, 0.2972, 0.4806 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(114, 246, 131) }
```

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

```
.border{ border-color:rgb(114, 246, 131) }
```

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

Here you see how a box with a 4 pixel rgb(114, 246, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 246, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 246, 131);  
box-shadow:4px 4px 4px 4px rgb(114, 246,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1276, 0.2972, 0.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 246, 131) }
```

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

```
.background{ background-color: rgb(114,  
246, 131) }
```

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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