

Converting Colors

$Yxy(73.4250, 0.2926, 0.4734)$

Have a look what the booklet for
Yxy(73.4250, 0.2926, 0.4734)
contains.

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Color

Yxy(73.6800, 0.2929, 0.4740)

Conversions

Conversions Part 1

Format	Color
Hex	70FA8B
RGB	112, 250, 139
RGB Percent	44%, 98%, 55%
CMY	0.5606, 0.0196, 0.4550
CMYK	0.55, 0.00, 0.44, 0.02
HSL	132°, 93%, 71%
HSV	132°, 55%, 98%
XYZ	45.5293, 73.6800, 36.2338
YIQ	196.0840, -46.6170, -63.7770

Conversions

Conversions Part 2

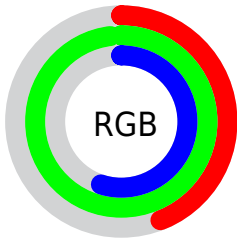
Format	Color
RYB	112, 227, 250
Decimal	7404171
CIELab	88.77, -60.38, 42.04
CIELCh	89, 73.576, 145.149
Yxy	73.6800, 0.2929, 0.4740
Android (android.graphics.Color)	4285594251 (0xFF70FA8B)
YUV	196.0840, -28.1424, -73.7417
Hunter-Lab	85.8371, -55.5358, 35.0583

Details

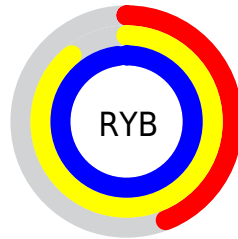
The Yxy color **73.6800, 0.2929, 0.4740** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.2533, 0.3449, 0.2194**, and the grayscale version is **55.4534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2993, 0.2973, 0.3995**, and **38.8588, 0.2837, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **71.7289, 0.2914, 0.5043**, and if you desaturate by 10%, it is **76.2006, 0.2955, 0.4434**.

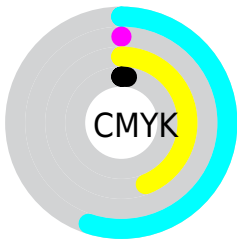
Distribution



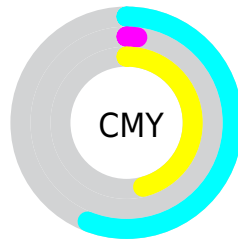
- Red (44%)
- Green (98%)
- Blue (55%)



- Red (44%)
- Yellow (89%)
- Blue (98%)



- Cyan (55%)
- Magenta (0%)
- Yellow (44%)
- Black (2%)




- Cyan (56%)
- Magenta (2%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6800, 0.2929, 0.4740 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 73.6800, 0.2929, 0.4740 by changing the saturation by 10% instead.

 73.6800, 0.2929,
0.4740


 73.6800, 0.2929,
0.4740


473.3682, 0.3053,
0.4018


 54.5322, 0.2892,
0.4916


 124.4421, 0.2979,
0.4480

 39.0273, 0.2840,
0.5138


 156.8251, 0.2996,
0.4382

 26.7810, 0.2767,
0.5425


 194.3887, 0.3011,
0.4298

 17.4088, 0.2658,
0.5809

237.5172, 0.3022,
0.4226

 10.5264, 0.2483,
0.6338

286.5950, 0.3032,
0.4164

 5.7493, 0.2202,
0.7141

342.0065, 0.3040,

 2.6933, 0.1569,

0.4109

0.8431

404.1361, 0.3047,
0.4061

0.9738, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.6800, 0.2929,
0.4740

73.6800, 0.2929,
0.4740

71.7289, 0.2914,
0.5043

76.2006, 0.2955,
0.4434

70.2936, 0.2910,
0.5326


79.3213, 0.2988,
0.4139


69.3254, 0.2920,
0.5570

83.0813, 0.3026,
0.3865

68.7615, 0.2942,
0.5761

87.5139, 0.3066,
0.3616

 68.5927, 0.2953,
0.5832

 92.6499, 0.3106,
0.3394

 96.8526, 0.3129,
0.3242

Harmonies

Analogous

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



73.6800, 0.3756, 0.4901



73.6800, 0.2929, 0.4740



73.6800, 0.2200, 0.3939

Triad

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



73.6800, 0.2929, 0.4740



73.6800, 0.1847, 0.2025



73.6800, 0.4706, 0.3277

Complementary

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



73.6800, 0.2929, 0.4740



37.2533, 0.3449, 0.2194

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.



73.6800, 0.4036, 0.2704



73.6800, 0.2929, 0.4740



73.6800, 0.2345, 0.2019

Square

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



73.6800, 0.2929, 0.4740



73.6800, 0.1651, 0.2328



73.6800, 0.3130, 0.2260



73.6800, 0.4844, 0.3902

Rectangle

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



73.6800, 0.2929, 0.4740



73.6800, 0.1869, 0.3285



73.6800, 0.3130, 0.2260



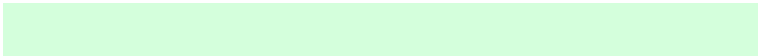
73.6800, 0.4533, 0.3077

Sweetspot

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



73.6830, 0.2929, 0.4740



90.6383, 0.3058, 0.3660



85.5042, 0.3744, 0.4702



19.1941, 0.3050, 0.3709



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.



73.6830, 0.2929, 0.4740



74.8769, 0.2913, 0.5069



76.2915, 0.2617, 0.3835



19.3646, 0.3089, 0.3487



36.3988, 0.2947, 0.5810



3.3853, 0.2891, 0.5606

Inverse Universe

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



37.2533, 0.3449, 0.2194



33.3100, 0.3532, 0.2034



34.3125, 0.4240, 0.2841



17.4631, 0.3168, 0.3101



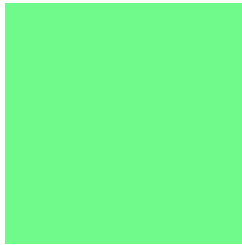
13.0433, 0.3775, 0.1853



1.2224, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 73.6800, 0.2929, 0.4740 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 73.6800, 0.2929, 0.4740 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 73.6800, 0.2929, 0.4740

Background



This preview shows how black text looks on a background with the Yxy color 73.6800, 0.2929, 0.4740.



This preview shows how white text looks on a background with the Yxy color 73.6800, 0.2929, 0.4740.

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

73.6800, 0.2929, 0.4740

Protanopia

72.1487, 0.3919, 0.4260

Deuteranopia

72.2554, 0.3760, 0.3745



Tritanopia

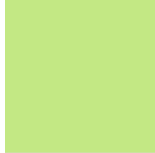
73.1402, 0.2499, 0.3070

Trichromacy



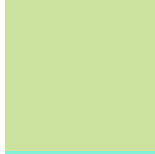
Original Color

73.6800, 0.2929, 0.4740



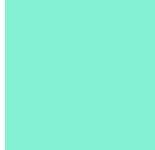
Protanomaly

70.9813, 0.3490, 0.4461



Deuteranomaly

70.1379, 0.3398, 0.4084



Tritanomaly

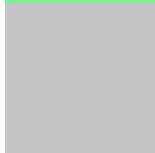
72.6202, 0.2652, 0.3635

Monochromacy



Original Color

73.6800, 0.2929, 0.4740



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.2062, 0.3032, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6800, 0.2929, 0.4740 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(112, 250, 139)` looks like.

```
.text, #text, p{  
    color:rgb(112, 250, 139)  
}
```

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(112, 250, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 250, 139) }
```

Border

The CSS property to change the border of an element to Yxy 73.6800, 0.2929, 0.4740 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(112, 250, 139) }
```

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

```
.border{ border-color:rgb(112, 250, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 250, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 250, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 250, 139);  
box-shadow:4px 4px 4px 4px rgb(112, 250,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6800, 0.2929, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 250, 139) }
```

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

```
.background{ background-color: rgb(112,  
250, 139) }
```

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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