

Converting Colors

$Y_{xy}(74.1235, 0.3041, 0.5195)$

Have a look what the booklet for
Yxy(74.1235, 0.3041, 0.5195)
contains.

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Color

Yxy(74.2533, 0.3042, 0.5198)

Conversions

Conversions Part 1

Format	Color
Hex	69FD68
RGB	105, 253, 104
RGB Percent	41%, 99%, 41%
CMY	0.5880, 0.0078, 0.5921
CMYK	0.58, 0.00, 0.59, 0.01
HSL	120°, 97%, 70%
HSV	120°, 59%, 99%
XYZ	43.4549, 74.2533, 25.1416
YIQ	191.7620, -40.3790, -77.7150

Conversions

Conversions Part 2

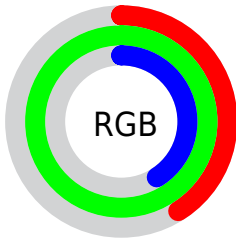
Format	Color
RYB	104, 253, 252
Decimal	6946152
CIELab	89.04, -67.58, 58.41
CIElCh	89, 89.324, 139.165
Yxy	74.2533, 0.3042, 0.5198
Android (android.graphics.Color)	4285136232 (0xFF69FD68)
YUV	191.7620, -43.2667, -76.0903
Hunter-Lab	86.1704, -60.7823, 43.0205

Details

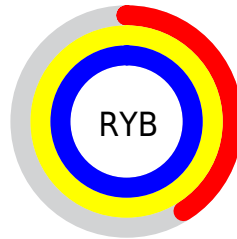
The Yxy color **74.2533, 0.3042, 0.5198** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.6831, 0.3182, 0.1909**, and the grayscale version is **52.8515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3480, 0.3125, 0.4424**, and **39.3722, 0.2942, 0.5706** is the 20% darker color. If you saturate the color by 10%, you get **72.5129, 0.3027, 0.5511**, and if you desaturate by 10%, it is **76.6033, 0.3058, 0.4846**.

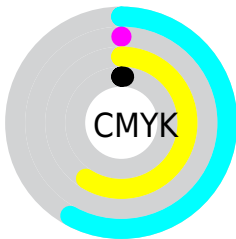
Distribution



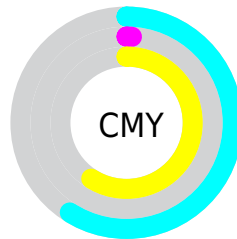
- Red (41%)
- Green (99%)
- Blue (41%)



- Red (41%)
- Yellow (99%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (59%)
- Black (1%)





- Cyan (59%)
- Magenta (1%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.2533, 0.3042, 0.5198 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 74.2533, 0.3042, 0.5198 by changing the saturation by 10% instead.


 74.2533, 0.3042,
0.5198

 74.2533, 0.3042,
0.5198


475.3471, 0.3141,
0.4249

 55.0014, 0.3002,
0.5424


 125.2548, 0.3090,
0.4859

 39.4028, 0.2942,
0.5705


 157.7732, 0.3105,
0.4730

 27.0732, 0.2851,
0.6060


 195.4825, 0.3115,
0.4620

 17.6282, 0.2706,
0.6513

 238.7672, 0.3124,
0.4525

 10.6834, 0.2473,
0.7113

288.0116, 0.3130,
0.4442

 5.8544, 0.2084,
0.7916


343.6001, 0.3134,

 2.7567, 0.1138,


0.4370


0.8862


405.9172, 0.3138,
0.4306


 1.0061, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.2533, 0.3042,
0.5198

 74.2533, 0.3042,
0.5198


 72.5129, 0.3027,
0.5511

 76.6033, 0.3058,
0.4846

 71.3177, 0.3014,
0.5757


 79.6021, 0.3075,
0.4484


 70.6057, 0.3006,
0.5918

 83.2962, 0.3091,
0.4134

 70.2856, 0.3001,
0.5993

 87.7254, 0.3105,
0.3809

 70.2614, 0.3001,
0.5999

 92.9265, 0.3117,
0.3519

 98.7300, 0.3128,
0.3271

Harmonies

Analogous

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



74.2533, 0.4001, 0.5146



74.2533, 0.3042, 0.5198



74.2533, 0.2155, 0.4327

Triad

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



74.2533, 0.3042, 0.5198



74.2533, 0.1569, 0.1848



74.2533, 0.4916, 0.3098

Complementary

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



74.2533, 0.3042, 0.5198



37.6831, 0.3182, 0.1909

Split Complementary

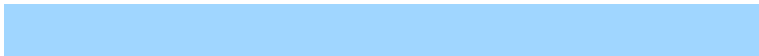
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2533, 0.4005, 0.2477



74.2533, 0.3042, 0.5198



74.2533, 0.2057, 0.1793

Square

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



74.2533, 0.3042, 0.5198



74.2533, 0.1412, 0.2249



74.2533, 0.2908, 0.2016



74.2533, 0.5189, 0.3794

Rectangle

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



74.2533, 0.3042, 0.5198



74.2533, 0.1734, 0.3494



74.2533, 0.2908, 0.2016



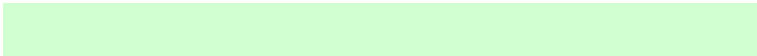
74.2533, 0.4668, 0.2879

Sweetspot

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



74.2564, 0.3042, 0.5198



89.7451, 0.3106, 0.3782



90.5746, 0.3978, 0.4658



18.9069, 0.3102, 0.3873



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.



74.2564, 0.3042, 0.5198



73.5183, 0.3024, 0.5570



76.3295, 0.2731, 0.4282



20.1742, 0.3117, 0.3536



37.3794, 0.3001, 0.5999



3.6415, 0.3005, 0.5996

Inverse Universe

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



37.6831, 0.3182, 0.1909



33.1318, 0.3188, 0.1724



34.1219, 0.3974, 0.2520



18.2935, 0.3137, 0.3056



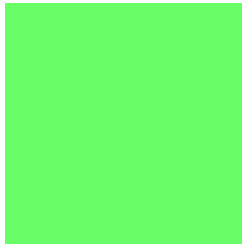
14.7087, 0.3192, 0.1532



1.4341, 0.3194, 0.1533

Previews

White Background



This preview shows how the Yxy color 74.2533, 0.3042, 0.5198 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 74.2533, 0.3042, 0.5198 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 74.2533, 0.3042, 0.5198

Background



This preview shows how black text looks on a background with the Yxy color 74.2533, 0.3042, 0.5198.

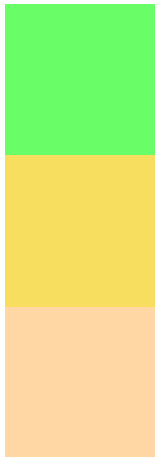


This preview shows how white text looks on a background with the Yxy color 74.2533, 0.3042, 0.5198.

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

74.2533, 0.3042, 0.5198

Protanopia

72.8429, 0.4139, 0.4531

Deuteranopia

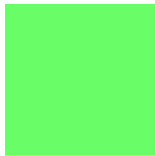
72.5775, 0.3793, 0.3806



Tritanopia

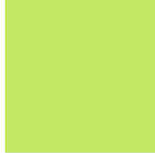
73.8994, 0.2510, 0.3082

Trichromacy



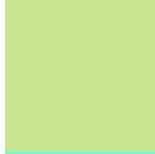
Original Color

74.2533, 0.3042, 0.5198



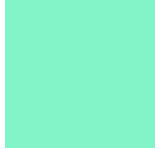
Protanomaly

70.7618, 0.3664, 0.4814



Deuteranomaly

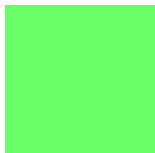
70.3012, 0.3470, 0.4296



Tritanomaly

73.0966, 0.2715, 0.3828

Monochromacy



Original Color

74.2533, 0.3042, 0.5198



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.1048, 0.3094, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2533, 0.3042, 0.5198 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(105, 253, 104)` looks like.

```
.text, #text, p{  
    color:rgb(105, 253, 104)  
}
```

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(105, 253, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 253, 104) }
```

Border

The CSS property to change the border of an element to Yxy 74.2533, 0.3042, 0.5198 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(105, 253, 104) }
```

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

```
.border{ border-color:rgb(105, 253, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 253, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 253, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 253, 104);  
box-shadow:4px 4px 4px 4px rgb(105, 253,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2533, 0.3042, 0.5198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 253, 104) }
```

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

```
.background{ background-color: rgb(105,  
253, 104) }
```

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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