

Converting Colors

$Y_{xy}(74.1110, 0.2939, 0.5268)$

Have a look what the booklet for
Yxy(74.1110, 0.2939, 0.5268)
contains.

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Color

Yxy(74.0973, 0.2938, 0.5269)

Conversions

Conversions Part 1

Format	Color
Hex	4DFF68
RGB	77, 255, 104
RGB Percent	30%, 100%, 41%
CMY	0.6981, 0.0000, 0.5922
CMYK	0.70, 0.00, 0.59, 0.00
HSL	129°, 100%, 65%
HSV	129°, 70%, 100%
XYZ	41.3167, 74.0973, 25.2147
YIQ	184.5640, -57.6170, -84.6970

Conversions

Conversions Part 2

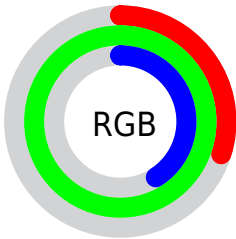
Format	Color
RYB	77, 232, 255
Decimal	5111656
CIELab	88.97, -73.69, 58.16
CIELCh	89, 93.877, 141.716
Yxy	74.0973, 0.2938, 0.5269
Android (android.graphics.Color)	4283301736 (0xFF4DFF68)
YUV	184.5640, -39.7181, -94.3336
Hunter-Lab	86.0798, -64.9629, 42.8885

Details

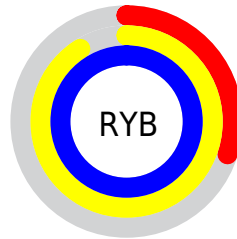
The Yxy color **74.0973, 0.2938, 0.5269** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **32.1655, 0.3475, 0.1931**, and the grayscale version is **48.5035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2262, 0.3008, 0.4464**, and **40.1459, 0.2924, 0.5726** is the 20% darker color. If you saturate the color by 10%, you get **72.8507, 0.2939, 0.5535**, and if you desaturate by 10%, it is **75.8690, 0.2948, 0.4966**.

Distribution



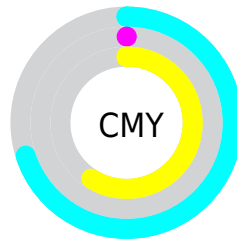
- Red (30%)
- Green (100%)
- Blue (41%)



- Red (30%)
- Yellow (91%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0973, 0.2938, 0.5269 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 74.0973, 0.2938, 0.5269 by changing the saturation by 10% instead.


 74.0973, 0.2938,
0.5269


 74.0973, 0.2938,
0.5269


474.8091, 0.3088,
0.4278


 54.8737, 0.2886,
0.5507


 125.0337, 0.3004,
0.4914

 39.3006, 0.2811,
0.5803


 157.5153, 0.3026,
0.4779

 26.9937, 0.2702,
0.6179


 195.1850, 0.3042,
0.4664

 17.5685, 0.2533,
0.6661

 238.4273, 0.3055,
0.4565

 10.6406, 0.2269,
0.7298

287.6264, 0.3066,
0.4479

 5.8257, 0.1846,
0.8154

343.1668, 0.3075,

 2.7394, 0.0671,

0.4404

0.9329

405.4329, 0.3082,
0.4337

0.9972, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

74.0973, 0.2938,
0.5269

74.0973, 0.2938,
0.5269

72.8507, 0.2939,
0.5535

75.8690, 0.2948,
0.4966

72.0732, 0.2951,
0.5746


78.2215, 0.2967,
0.4647

71.6701, 0.2970,
0.5891

81.1986, 0.2994,
0.4330

71.6644, 0.2970,
0.5893

84.8407, 0.3025,
0.4029

 89.1852, 0.3059,
0.3753

 94.2663, 0.3094,
0.3505

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



74.0973, 0.3938, 0.5265



74.0973, 0.2938, 0.5269



74.0973, 0.2039, 0.4274

Triad

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



74.0973, 0.2938, 0.5269



74.0973, 0.1538, 0.1773



74.0973, 0.5060, 0.3137

Complementary

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



74.0973, 0.2938, 0.5269



32.1655, 0.3475, 0.1931

Split Complementary

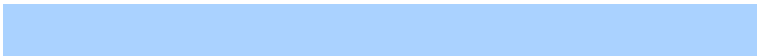
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0973, 0.4144, 0.2490



74.0973, 0.2938, 0.5269



74.0973, 0.2071, 0.1745

Square

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



74.0973, 0.2938, 0.5269



74.0973, 0.1349, 0.2145



74.0973, 0.2985, 0.1997



74.0973, 0.5269, 0.3857

Rectangle

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



74.0973, 0.2938, 0.5269



74.0973, 0.1629, 0.3388



74.0973, 0.2985, 0.1997



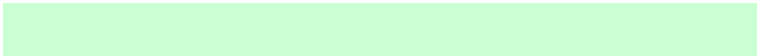
74.0973, 0.4819, 0.2911

Sweetspot

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



74.0958, 0.2938, 0.5269



88.6318, 0.3055, 0.3784



88.5980, 0.3881, 0.4970



18.7038, 0.3045, 0.3859



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.



74.0958, 0.2938, 0.5269



72.4722, 0.2943, 0.5631



76.9333, 0.2576, 0.4094



20.2131, 0.3095, 0.3498



37.4595, 0.2965, 0.5875



3.6598, 0.2917, 0.5703

Inverse Universe

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



32.1655, 0.3475, 0.1931



28.1333, 0.3557, 0.1810



28.4367, 0.4649, 0.2722



18.2502, 0.3161, 0.3091



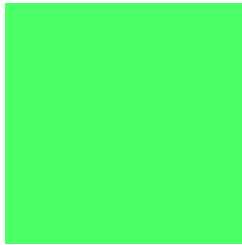
13.7260, 0.3635, 0.1776



1.3487, 0.3579, 0.1745

Previews

White Background



This preview shows how the Yxy color 74.0973, 0.2938, 0.5269 looks on a white background.

Color Contrast Check

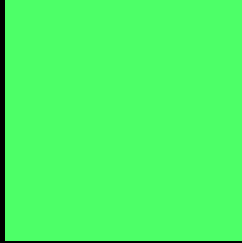
Large Text (above 18pt) WCAG AA × Fail

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 74.0973, 0.2938, 0.5269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

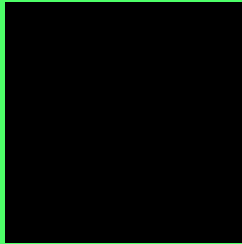
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0973, 0.2938, 0.5269

Background



This preview shows how black text looks on a background with the Yxy color 74.0973, 0.2938, 0.5269.

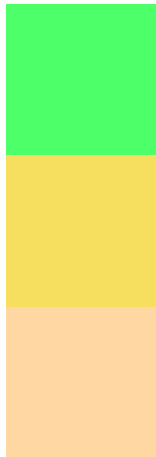


This preview shows how white text looks on a background with the Yxy color 74.0973, 0.2938, 0.5269.

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

74.0973, 0.2938, 0.5269

Protanopia

72.6435, 0.4136, 0.4543

Deuteranopia

72.5052, 0.3807, 0.3826



Tritanopia

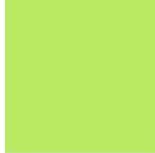
73.1916, 0.2475, 0.3080

Trichromacy



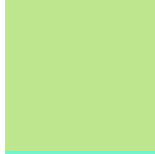
Original Color

74.0973, 0.2938, 0.5269



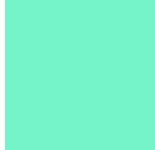
Protanomaly

70.0418, 0.3585, 0.4863



Deuteranomaly

69.4938, 0.3400, 0.4342



Tritanomaly

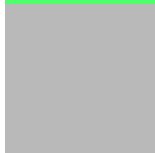
72.5845, 0.2650, 0.3849

Monochromacy



Original Color

74.0973, 0.2938, 0.5269



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.6045, 0.3022, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0973, 0.2938, 0.5269 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(77, 255, 104)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 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(77, 255, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 104) }
```

Border

The CSS property to change the border of an element to Yxy 74.0973, 0.2938, 0.5269 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(77, 255, 104) }
```

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

```
.border{ border-color:rgb(77, 255, 104) }
```

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

Here you see how a box with a 4 pixel rgb(77, 255, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0973, 0.2938, 0.5269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 104) }
```

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

```
.background{ background-color: rgb(77, 255,  
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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