

Converting Colors

$Y_{xy}(75.5712, 0.3079, 0.5276)$

Have a look what the booklet for
Yxy(75.5712, 0.3079, 0.5276)
contains.

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Color

Yxy(75.5712, 0.3079, 0.5276)

Conversions

Conversions Part 1

Format	Color
Hex	6CFF61
RGB	108, 255, 97
RGB Percent	42%, 100%, 38%
CMY	0.5764, 0.0000, 0.6197
CMYK	0.58, 0.00, 0.62, 0.00
HSL	116°, 100%, 69%
HSV	116°, 62%, 100%
XYZ	44.1023, 75.5712, 23.5623
YIQ	193.0350, -36.8940, -80.3020

Conversions

Conversions Part 2

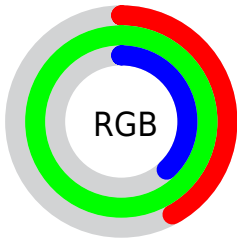
Format	Color
RYB	97, 255, 244
Decimal	7143265
CIELab	89.66, -68.34, 62.10
CIELCh	90, 92.340, 137.740
Yxy	75.5712, 0.3079, 0.5276
Android (android.graphics.Color)	4285333345 (0xFF6CFF61)
YUV	193.0350, -47.3453, -74.5757
Hunter-Lab	86.9317, -61.5736, 44.7820

Details

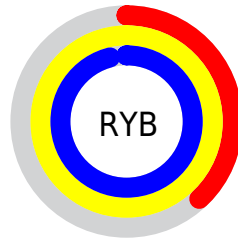
The Yxy color **75.5712, 0.3079, 0.5276** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **34.9870, 0.3092, 0.1815**, and the grayscale version is **53.6510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4778, 0.3173, 0.4488**, and **40.2791, 0.2980, 0.5795** is the 20% darker color. If you saturate the color by 10%, you get **73.8798, 0.3061, 0.5570**, and if you desaturate by 10%, it is **77.8210, 0.3095, 0.4938**.

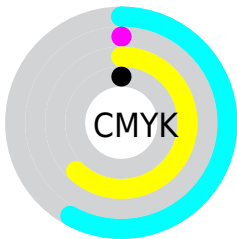
Distribution



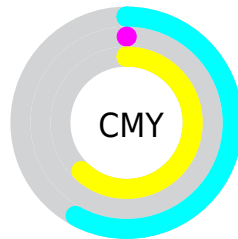
- Red (42%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (96%)



- Cyan (58%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5712, 0.3079, 0.5276 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 75.5712, 0.3079, 0.5276 by changing the saturation by 10% instead.

 75.5712, 0.3079,
0.5276


 75.5712, 0.3079,
0.5276

479.8786, 0.3167,
0.4294


 56.0810, 0.3039,
0.5507


 127.1206, 0.3125,
0.4927


 40.2678, 0.2980,
0.5793


 159.9485, 0.3138,
0.4794

 27.7474, 0.2887,
0.6150

 197.9912, 0.3148,
0.4679

 18.1354, 0.2738,
0.6601

 241.6329, 0.3154,
0.4581

 11.0472, 0.2506,
0.7208

291.2581, 0.3159,
0.4495

 6.0986, 0.2091,
0.7909


347.2512, 0.3163,

 2.9051, 0.1211,


0.4420


0.8789


409.9965, 0.3165,
0.4353


 1.0824, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.5712, 0.3079,
0.5276


 75.5712, 0.3079,
0.5276


 73.8798, 0.3061,
0.5570

 77.8210, 0.3095,
0.4938


 72.6960, 0.3041,
0.5795


 80.6705, 0.3107,
0.4582


 71.9631, 0.3022,
0.5935

 84.1591, 0.3116,
0.4232

 71.6470, 0.3011,
0.5991

 88.3225, 0.3122,
0.3903

 93.1935, 0.3126,
0.3604

 98.8030, 0.3127,
0.3338

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.



75.5712, 0.4055, 0.5166



75.5712, 0.3079, 0.5276



75.5712, 0.2165, 0.4417

Triad

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



75.5712, 0.3079, 0.5276



75.5712, 0.1522, 0.1827



75.5712, 0.4933, 0.3056

Complementary

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



75.5712, 0.3079, 0.5276



34.9870, 0.3092, 0.1815

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.



75.5712, 0.3973, 0.2431



75.5712, 0.3079, 0.5276



75.5712, 0.2000, 0.1758

Square

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



75.5712, 0.3079, 0.5276



75.5712, 0.1378, 0.2250



75.5712, 0.2851, 0.1972



75.5712, 0.5243, 0.3759

Rectangle

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



75.5712, 0.3079, 0.5276



75.5712, 0.1724, 0.3556



75.5712, 0.2851, 0.1972



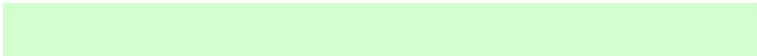
75.5712, 0.4667, 0.2835

Sweetspot

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



75.5718, 0.3079, 0.5276



89.6956, 0.3123, 0.3810



85.5259, 0.4071, 0.4636



18.9156, 0.3122, 0.3899



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.



75.5718, 0.3079, 0.5276



73.6006, 0.3057, 0.5622



76.6973, 0.2767, 0.4489



20.2288, 0.3126, 0.3535



37.4592, 0.3015, 0.5988



3.6674, 0.3048, 0.5962

Inverse Universe

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



34.9870, 0.3092, 0.1815



29.9939, 0.3075, 0.1630



33.4841, 0.3908, 0.2392



18.2319, 0.3127, 0.3055



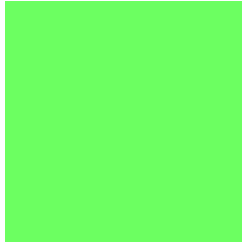
13.2227, 0.3034, 0.1445



1.3061, 0.3055, 0.1457

Previews

White Background



This preview shows how the Yxy color 75.5712, 0.3079, 0.5276 looks on a white background.

Color Contrast Check

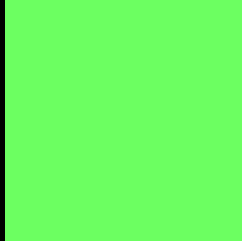
Large Text (above 18pt) WCAG AA × Fail

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 75.5712, 0.3079, 0.5276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

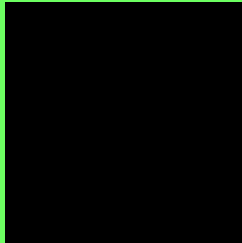
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.5712, 0.3079, 0.5276

Background



This preview shows how black text looks on a background with the Yxy color 75.5712, 0.3079, 0.5276.

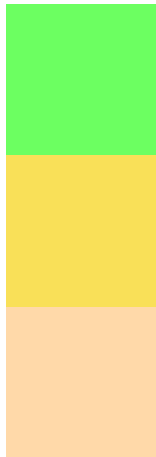


This preview shows how white text looks on a background with the Yxy color 75.5712, 0.3079, 0.5276.

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

75.5712, 0.3079, 0.5276

Protanopia

74.1556, 0.4175, 0.4588

Deuteranopia

73.7503, 0.3757, 0.3784



Tritanopia

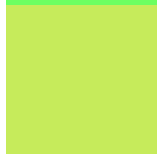
74.6584, 0.2547, 0.3084

Trichromacy



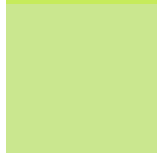
Original Color

75.5712, 0.3079, 0.5276



Protanomaly

72.1778, 0.3708, 0.4877



Deuteranomaly

71.6916, 0.3480, 0.4310



Tritanomaly

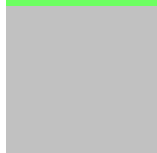
74.0969, 0.2755, 0.3861

Monochromacy



Original Color

75.5712, 0.3079, 0.5276



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.2617, 0.3119, 0.4052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5712, 0.3079, 0.5276 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(108, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 97)  
}
```

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(108, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 97) }
```

Border

The CSS property to change the border of an element to Yxy 75.5712, 0.3079, 0.5276 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(108, 255, 97) }
```

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

```
.border{ border-color:rgb(108, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5712, 0.3079, 0.5276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 97) }
```

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

```
.background{ background-color: rgb(108,  
255, 97) }
```

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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