

Converting Colors

$Y_{xy}(75.7076, 0.3054, 0.5203)$

Have a look what the booklet for
Yxy(75.7076, 0.3054, 0.5203)
contains.

Yxy(75.7076, 0.3054, 0.5203)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.7076, 0.3054, 0.5203)

Conversions

Conversions Part 1

Format	Color
Hex	6CFF68
RGB	108, 255, 104
RGB Percent	42%, 100%, 41%
CMY	0.5766, 0.0000, 0.5922
CMYK	0.58, 0.00, 0.59, 0.00
HSL	118°, 100%, 70%
HSV	118°, 59%, 100%
XYZ	44.4380, 75.7076, 25.3620
YIQ	193.8330, -39.1410, -78.1250

Conversions

Conversions Part 2

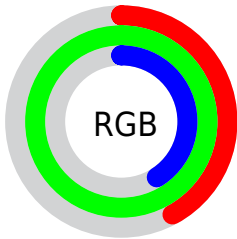
Format	Color
RYB	104, 255, 251
Decimal	7143272
CIELab	89.72, -67.64, 59.23
CIElCh	90, 89.901, 138.793
Yxy	75.7076, 0.3054, 0.5203
Android (android.graphics.Color)	4285333352 (0xFF6CFF68)
YUV	193.8330, -44.2877, -75.2755
Hunter-Lab	87.0101, -61.1037, 43.6251

Details

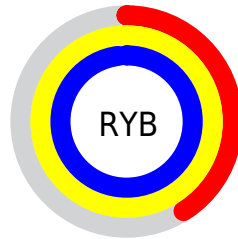
The Yxy color **75.7076, 0.3054, 0.5203** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.6318, 0.3156, 0.1891**, and the grayscale version is **54.1190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6811, 0.3142, 0.4418**, and **40.3655, 0.2957, 0.5703** is the 20% darker color. If you saturate the color by 10%, you get **73.9217, 0.3038, 0.5514**, and if you desaturate by 10%, it is **78.0869, 0.3070, 0.4854**.

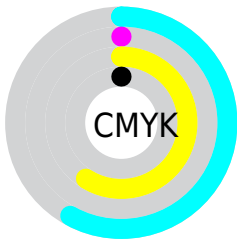
Distribution



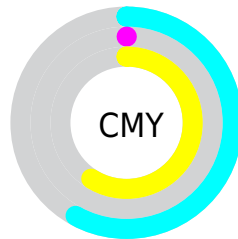
- Red (42%)
- Green (100%)
- Blue (41%)



- Red (41%)
- Yellow (100%)
- Blue (98%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7076, 0.3054, 0.5203 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 75.7076, 0.3054, 0.5203 by changing the saturation by 10% instead.


 75.7076, 0.3054,
0.5203


 75.7076, 0.3054,
0.5203


480.3462, 0.3148,
0.4255

 56.1928, 0.3015,
0.5428


 127.3135, 0.3100,
0.4866


 40.3575, 0.2957,
0.5706


 160.1734, 0.3114,
0.4737

 27.8174, 0.2868,
0.6056


 198.2504, 0.3124,
0.4627

 18.1881, 0.2727,
0.6503

 241.9289, 0.3132,
0.4532

 11.0851, 0.2498,
0.7088

291.5933, 0.3138,
0.4449

 6.1241, 0.2122,
0.7878


347.6281, 0.3142,

 2.9207, 0.1268,


0.4377


0.8732


410.4176, 0.3145,
0.4312

 1.0905, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.7076, 0.3054,
0.5203


 75.7076, 0.3054,
0.5203


 73.9217, 0.3038,
0.5514


 78.0869, 0.3070,
0.4854


 72.6853, 0.3023,
0.5758


 81.1160, 0.3085,
0.4493


 71.9325, 0.3011,
0.5917

 84.8341, 0.3099,
0.4143

 71.5801, 0.3004,
0.5993

 89.2801, 0.3110,
0.3819

 71.5633, 0.3004,
0.5997

 94.4897, 0.3120,
0.3528

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.



75.7076, 0.4012, 0.5140



75.7076, 0.3054, 0.5203



75.7076, 0.2165, 0.4342

Triad

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



75.7076, 0.3054, 0.5203



75.7076, 0.1565, 0.1851



75.7076, 0.4908, 0.3090

Complementary

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



75.7076, 0.3054, 0.5203



37.6318, 0.3156, 0.1891

Split Complementary

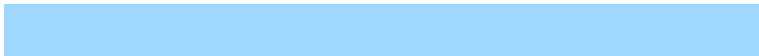
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7076, 0.3991, 0.2470



75.7076, 0.3054, 0.5203



75.7076, 0.2049, 0.1792

Square

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



75.7076, 0.3054, 0.5203



75.7076, 0.1412, 0.2256



75.7076, 0.2895, 0.2011



75.7076, 0.5190, 0.3785

Rectangle

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



75.7076, 0.3054, 0.5203



75.7076, 0.1740, 0.3509



75.7076, 0.2895, 0.2011



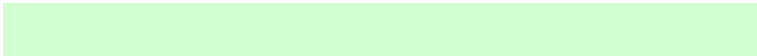
75.7076, 0.4657, 0.2872

Sweetspot

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



75.7044, 0.3054, 0.5203



89.8752, 0.3111, 0.3782



90.6093, 0.3996, 0.4647



18.9377, 0.3108, 0.3872



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.



75.7044, 0.3054, 0.5203



73.6636, 0.3035, 0.5563



77.5359, 0.2741, 0.4323



20.1909, 0.3120, 0.3535



37.4032, 0.3005, 0.5996



3.6495, 0.3018, 0.5985

Inverse Universe

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



37.6318, 0.3156, 0.1891



32.4790, 0.3155, 0.1708



34.6400, 0.3950, 0.2493



18.2746, 0.3134, 0.3056



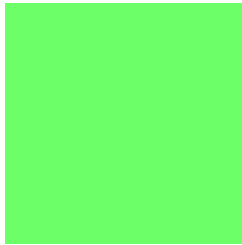
14.2393, 0.3144, 0.1505



1.3938, 0.3151, 0.1510

Previews

White Background



This preview shows how the Yxy color 75.7076, 0.3054, 0.5203 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 75.7076, 0.3054, 0.5203 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

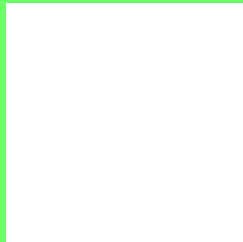
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7076, 0.3054, 0.5203

Background



This preview shows how black text looks on a background with the Yxy color 75.7076, 0.3054, 0.5203.

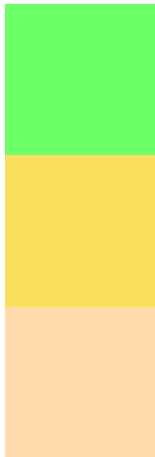


This preview shows how white text looks on a background with the Yxy color 75.7076, 0.3054, 0.5203.

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

75.7076, 0.3054, 0.5203

Protanopia

74.2773, 0.4142, 0.4539

Deuteranopia

74.3431, 0.3739, 0.3774



Tritanopia

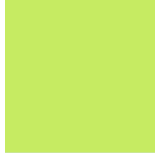
75.3376, 0.2554, 0.3096

Trichromacy



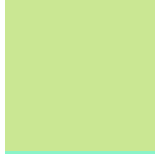
Original Color

75.7076, 0.3054, 0.5203



Protanomaly

72.3043, 0.3677, 0.4817



Deuteranomaly

71.8150, 0.3456, 0.4264



Tritanomaly

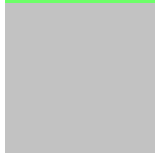
74.2748, 0.2749, 0.3834

Monochromacy



Original Color

75.7076, 0.3054, 0.5203



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4715, 0.3107, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7076, 0.3054, 0.5203 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 255, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 104) }
```

Border

The CSS property to change the border of an element to Yxy 75.7076, 0.3054, 0.5203 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, 104) }
```

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

```
.border{ border-color:rgb(108, 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(108, 255, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7076, 0.3054, 0.5203 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, 104) }
```

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

```
.background{ background-color: rgb(108,  
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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