

Converting Colors

$Y_{xy}(75.3719, 0.3046, 0.5246)$

Have a look what the booklet for
Yxy(75.3719, 0.3046, 0.5246)
contains.

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Color

Yxy(75.4026, 0.3048, 0.5244)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 68FF65 |
| RGB | 104, 255, 101 |
| RGB Percent | 41%, 100%, 40% |
| CMY | 0.5918, 0.0000, 0.6039 |
| CMYK | 0.59, 0.00, 0.60, 0.00 |
| HSL | 119°, 100%, 70% |
| HSV | 119°, 60%, 100% |
| XYZ | 43.8267, 75.4026, 24.5590 |
| YIQ | 192.2950, -40.5620, -79.9060 |

Conversions

Conversions Part 2

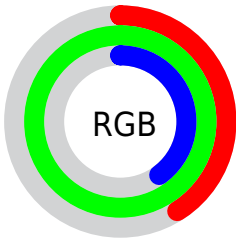
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 101, 255, 252 |
| Decimal | 6881125 |
| CIELab | 89.58, -68.81, 60.29 |
| CIELCh | 90, 91.488, 138.775 |
| Yxy | 75.4026, 0.3048, 0.5244 |
| Android (android.graphics.Color) | 4285071205 (0xFF68FF65) |
| YUV | 192.2950, -45.0084, -77.4347 |
| Hunter-Lab | 86.8347, -61.8692, 44.0156 |

Details

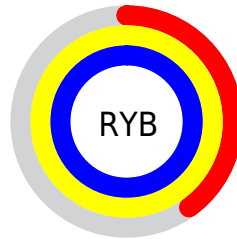
The Yxy color **75.4026, 0.3048, 0.5244** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.2093, 0.3165, 0.1875**, and the grayscale version is **53.1968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2451, 0.3140, 0.4459**, and **40.1855, 0.2945, 0.5757** is the 20% darker color. If you saturate the color by 10%, you get **73.6990, 0.3032, 0.5548**, and if you desaturate by 10%, it is **77.7106, 0.3064, 0.4897**.

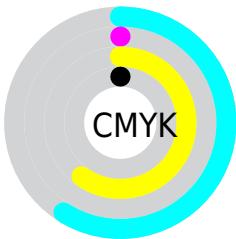
Distribution



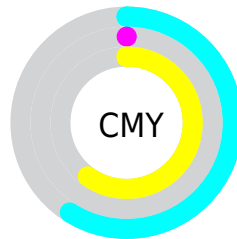
- Red (41%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (99%)



- Cyan (59%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4026, 0.3048, 0.5244 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 75.4026, 0.3048, 0.5244 by changing the saturation by 10% instead.


 75.4026, 0.3048,
0.5244


 75.4026, 0.3048,
0.5244


479.3002, 0.3147,
0.4275


 55.9428, 0.3007,
0.5473


 126.8821, 0.3097,
0.4899


 40.1570, 0.2946,
0.5758


 159.6706, 0.3112,
0.4767

 27.6610, 0.2852,
0.6115


 197.6707, 0.3122,
0.4655

 18.0703, 0.2704,
0.6569

 241.2669, 0.3130,
0.4558

 11.0005, 0.2468,
0.7170

290.8435, 0.3137,
0.4473

 6.0671, 0.2068,
0.7932


346.7851, 0.3141,

 2.8860, 0.1165,


0.4399


0.8835


409.4758, 0.3145,
0.4333


 1.0725, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.4026, 0.3048,
0.5244


 75.4026, 0.3048,
0.5244


 73.6990, 0.3032,
0.5548


 77.7106, 0.3064,
0.4897

 72.5350, 0.3019,
0.5783


 80.6619, 0.3080,
0.4536

 71.8482, 0.3008,
0.5932

 84.3033, 0.3094,
0.4184

 71.5499, 0.3003,
0.5998

 88.6744, 0.3107,
0.3856

 93.8121, 0.3118,
0.3560

99.7505, 0.3127,
0.3299

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



75.4026, 0.4020, 0.5169



75.4026, 0.3048, 0.5244



75.4026, 0.2146, 0.4364

Triad

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



75.4026, 0.3048, 0.5244



75.4026, 0.1542, 0.1829



75.4026, 0.4941, 0.3082

Complementary

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



75.4026, 0.3048, 0.5244



37.2093, 0.3165, 0.1875

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.



75.4026, 0.4006, 0.2456



75.4026, 0.3048, 0.5244



75.4026, 0.2031, 0.1771

Square

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



75.4026, 0.3048, 0.5244



75.4026, 0.1388, 0.2237



75.4026, 0.2889, 0.1993



75.4026, 0.5224, 0.3784

Rectangle

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



75.4026, 0.3048, 0.5244



75.4026, 0.1717, 0.3511



75.4026, 0.2889, 0.1993



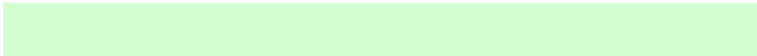
75.4026, 0.4685, 0.2862

Sweetspot

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



75.4058, 0.3048, 0.5244



89.8328, 0.3110, 0.3782



90.4848, 0.4009, 0.4667



18.9277, 0.3106, 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.



75.4058, 0.3048, 0.5244



73.4790, 0.3030, 0.5592



77.2968, 0.2737, 0.4348



20.1855, 0.3119, 0.3536



37.3954, 0.3004, 0.5997



3.6469, 0.3014, 0.5989

Inverse Universe

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



37.2093, 0.3165, 0.1875



32.3472, 0.3166, 0.1700



33.9942, 0.3974, 0.2481



18.2807, 0.3135, 0.3056



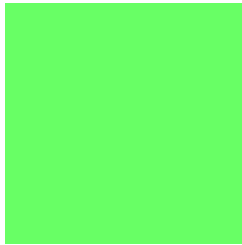
14.3907, 0.3159, 0.1514



1.4068, 0.3165, 0.1517

Previews

White Background



This preview shows how the Yxy color 75.4026, 0.3048, 0.5244 looks on a white background.

Color Contrast Check

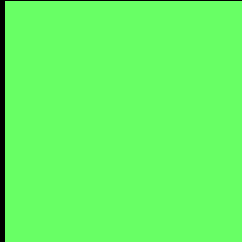
Large Text (above 18pt) WCAG AA × Fail

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 75.4026, 0.3048, 0.5244 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

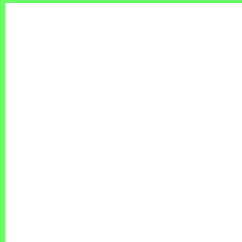
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4026, 0.3048, 0.5244

Background



This preview shows how black text looks on a background with the Yxy color 75.4026, 0.3048, 0.5244.

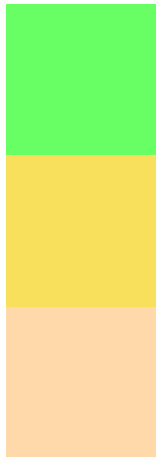


This preview shows how white text looks on a background with the Yxy color 75.4026, 0.3048, 0.5244.

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

75.4026, 0.3048, 0.5244

Protanopia

74.2238, 0.4157, 0.4560

Deuteranopia

73.7503, 0.3757, 0.3784



Tritanopia

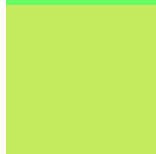
75.0445, 0.2539, 0.3095

Trichromacy



Original Color

75.4026, 0.3048, 0.5244



Protanomaly

71.9786, 0.3676, 0.4852



Deuteranomaly

71.4448, 0.3459, 0.4303



Tritanomaly

73.9758, 0.2740, 0.3850

Monochromacy



Original Color

75.4026, 0.3048, 0.5244



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.5777, 0.3099, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4026, 0.3048, 0.5244 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(104, 255, 101)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 101)  
}
```

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(104, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 101) }
```

Border

The CSS property to change the border of an element to Yxy 75.4026, 0.3048, 0.5244 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(104, 255, 101) }
```

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

```
.border{ border-color:rgb(104, 255, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4026, 0.3048, 0.5244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 101) }
```

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

```
.background{ background-color: rgb(104,  
255, 101) }
```

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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