

Converting Colors

Yxy(76.2564, 0.3024, 0.5049)

Have a look what the booklet for
Yxy(76.2564, 0.3024, 0.5049)
contains.

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Color

Yxy(76.2491, 0.3023, 0.5048)

Conversions

Conversions Part 1

Format	Color
Hex	70FF75
RGB	112, 255, 117
RGB Percent	44%, 100%, 46%
CMY	0.5604, 0.0000, 0.5412
CMYK	0.56, 0.00, 0.54, 0.00
HSL	122°, 100%, 72%
HSV	122°, 56%, 100%
XYZ	45.6619, 76.2491, 29.1372
YIQ	196.5110, -40.9300, -73.2340

Conversions

Conversions Part 2

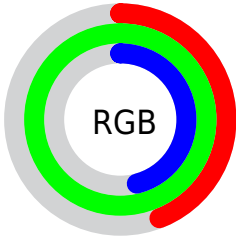
Format	Color
RYB	112, 250, 255
Decimal	7405429
CIELab	89.97, -65.19, 53.83
CIELCh	90, 84.544, 140.450
Yxy	76.2491, 0.3023, 0.5048
Android (android.graphics.Color)	4285595509 (0xFF70FF75)
YUV	196.5110, -39.1989, -74.1161
Hunter-Lab	87.3207, -59.4699, 41.3406

Details

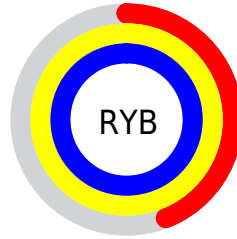
The Yxy color **76.2491, 0.3023, 0.5048** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **39.7781, 0.3233, 0.2000**, and the grayscale version is **55.8000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4972, 0.3093, 0.4258**, and **40.6847, 0.2933, 0.5518** is the 20% darker color. If you saturate the color by 10%, you get **74.3030, 0.3009, 0.5374**, and if you desaturate by 10%, it is **78.8275, 0.3041, 0.4697**.

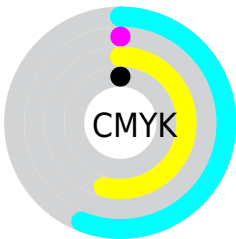
Distribution



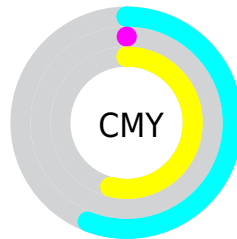
- Red (44%)
- Green (100%)
- Blue (46%)



- Red (44%)
- Yellow (98%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2491, 0.3023, 0.5048 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 76.2491, 0.3023, 0.5048 by changing the saturation by 10% instead.


 76.2491, 0.3023,
0.5048


 76.2491, 0.3023,
0.5048


482.2000, 0.3120,
0.4177


 56.6368, 0.2987,
0.5256


 128.0790, 0.3068,
0.4737

 40.7137, 0.2934,
0.5515


 161.0653, 0.3082,
0.4619

 28.0954, 0.2854,
0.5845


 199.2784, 0.3093,
0.4518

 18.3976, 0.2730,
0.6272

243.1028, 0.3101,
0.4431

 11.2358, 0.2524,
0.6832

292.9227, 0.3108,
0.4355

 6.2257, 0.2231,
0.7769

349.1226, 0.3113,

 2.9828, 0.1461,

0.4288

0.8539

412.0869, 0.3117,
0.4230

■ 1.1228, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 76.2491, 0.3023,
0.5048

■ 76.2491, 0.3023,
0.5048

■ 74.3030, 0.3009,
0.5374

■ 78.8275, 0.3041,
0.4697

■ 72.9263, 0.2999,
0.5648


■ 82.0760, 0.3060,
0.4346


■ 72.0600, 0.2995,
0.5848

■ 86.0403, 0.3080,
0.4013

■ 71.6272, 0.2996,
0.5962

■ 90.7597, 0.3099,
0.3708

 71.5359, 0.2996,
0.5986

 96.2704, 0.3117,
0.3437

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



76.2491, 0.3937, 0.5062



76.2491, 0.3023, 0.5048



76.2491, 0.2185, 0.4209

Triad

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



76.2491, 0.3023, 0.5048



76.2491, 0.1656, 0.1913



76.2491, 0.4833, 0.3147

Complementary

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



76.2491, 0.3023, 0.5048



39.7781, 0.3233, 0.2000

Split Complementary

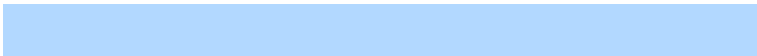
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2491, 0.3998, 0.2544



76.2491, 0.3023, 0.5048



76.2491, 0.2142, 0.1868

Square

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



76.2491, 0.3023, 0.5048



76.2491, 0.1492, 0.2287



76.2491, 0.2966, 0.2092



76.2491, 0.5072, 0.3821

Rectangle

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



76.2491, 0.3023, 0.5048



76.2491, 0.1790, 0.3440



76.2491, 0.2966, 0.2092



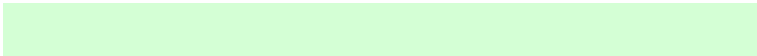
76.2491, 0.4608, 0.2935

Sweetspot

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



76.2523, 0.3023, 0.5048



90.2760, 0.3097, 0.3736



93.0557, 0.3901, 0.4642



19.1097, 0.3093, 0.3795



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.



76.2523, 0.3023, 0.5048



74.1499, 0.3008, 0.5403



78.6124, 0.2708, 0.4129



20.1782, 0.3111, 0.3527



37.3851, 0.2994, 0.5979



3.6434, 0.2981, 0.5930

Inverse Universe

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



39.7781, 0.3233, 0.2000



34.4729, 0.3253, 0.1822



36.1155, 0.4001, 0.2620



18.2890, 0.3143, 0.3064



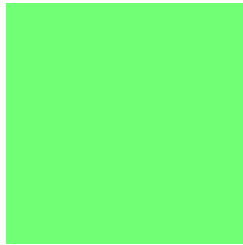
14.5990, 0.3297, 0.1590



1.4247, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 76.2491, 0.3023, 0.5048 looks on a white background.

Color Contrast Check

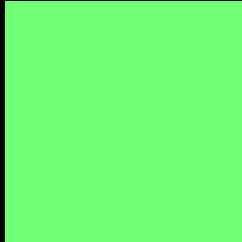
Large Text (above 18pt) WCAG AA × Fail

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 76.2491, 0.3023, 0.5048 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 76.2491, 0.3023, 0.5048

Background



This preview shows how black text looks on a background with the Yxy color 76.2491, 0.3023, 0.5048.

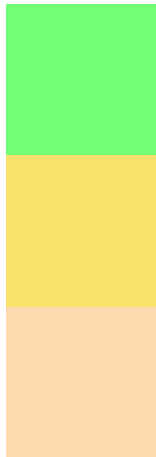


This preview shows how white text looks on a background with the Yxy color 76.2491, 0.3023, 0.5048.

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

76.2491, 0.3023, 0.5048

Protanopia

75.0517, 0.4075, 0.4455

Deuteranopia

74.4980, 0.3710, 0.3733



Tritanopia

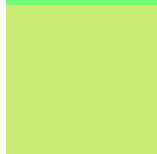
75.6382, 0.2568, 0.3097

Trichromacy



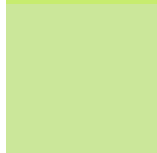
Original Color

76.2491, 0.3023, 0.5048



Protanomaly

73.2807, 0.3619, 0.4700



Deuteranomaly

72.1814, 0.3420, 0.4182



Tritanomaly

74.7719, 0.2739, 0.3768

Monochromacy



Original Color

76.2491, 0.3023, 0.5048



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.0770, 0.3083, 0.3934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2491, 0.3023, 0.5048 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(112, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 117)  
}
```

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(112, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 117) }
```

Border

The CSS property to change the border of an element to Yxy 76.2491, 0.3023, 0.5048 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(112, 255, 117) }
```

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

```
.border{ border-color:rgb(112, 255, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2491, 0.3023, 0.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 117) }
```

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

```
.background{ background-color: rgb(112,  
255, 117) }
```

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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