

Converting Colors

$Y_{xy}(76.5057, 0.3119, 0.5191)$

Have a look what the booklet for
Yxy(76.5057, 0.3119, 0.5191)
contains.

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Color

Yxy(76.4724, 0.3117, 0.5192)

Conversions

Conversions Part 1

Format	Color
Hex	78FF66
RGB	120, 255, 102
RGB Percent	47%, 100%, 40%
CMY	0.5292, 0.0000, 0.6001
CMYK	0.53, 0.00, 0.60, 0.00
HSL	113°, 100%, 70%
HSV	113°, 60%, 100%
XYZ	45.9100, 76.4724, 24.9066
YIQ	197.1930, -31.3470, -76.2030

Conversions

Conversions Part 2

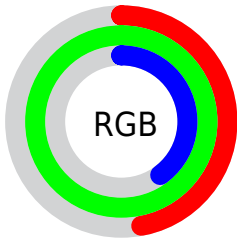
Format	Color
RYB	102, 255, 237
Decimal	7929702
CIELab	90.08, -64.93, 60.58
CIELCh	90, 88.798, 136.984
Yxy	76.4724, 0.3117, 0.5192
Android (android.graphics.Color)	4286119782 (0xFF78FF66)
YUV	197.1930, -46.9301, -67.6983
Hunter-Lab	87.4485, -59.3234, 44.3273

Details

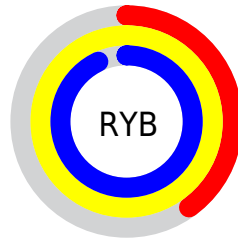
The Yxy color **76.4724, 0.3117, 0.5192** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **34.7105, 0.3026, 0.1820**, and the grayscale version is **56.2713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7781, 0.3213, 0.4420**, and **40.8001, 0.3031, 0.5685** is the 20% darker color. If you saturate the color by 10%, you get **74.6207, 0.3098, 0.5495**, and if you desaturate by 10%, it is **78.8636, 0.3130, 0.4852**.

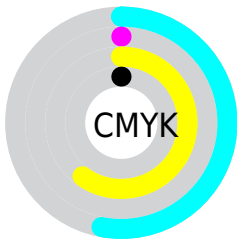
Distribution



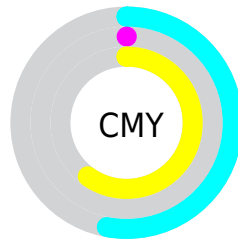
- Red (47%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (93%)



- Cyan (53%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4724, 0.3117, 0.5192 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 76.4724, 0.3117, 0.5192 by changing the saturation by 10% instead.

 76.4724, 0.3117,
0.5192

 76.4724, 0.3117,
0.5192


482.9633, 0.3182,
0.4255


 56.8200, 0.3084,
0.5412


 128.3945, 0.3154,
0.4860


 40.8607, 0.3033,
0.5684


 161.4328, 0.3164,
0.4733

 28.2103, 0.2954,
0.6024

 199.7020, 0.3171,
0.4624

 18.4842, 0.2823,
0.6455

 243.5864, 0.3175,
0.4530

 11.2982, 0.2610,
0.7019

293.4703, 0.3178,
0.4448

 6.2678, 0.2247,
0.7753


349.7381, 0.3180,


 3.0086, 0.1492,

0.4376


0.8508


412.7743, 0.3182,
0.4312


 1.1362, 0.0000,
1.0000


 0.0087, 0.0000,
1.0000


 76.4724, 0.3117,
0.5192

 76.4724, 0.3117,
0.5192


 74.6207, 0.3098,
0.5495

 78.8636, 0.3130,
0.4852


 73.2573, 0.3074,
0.5736


 81.8218, 0.3138,
0.4501

 72.3374, 0.3048,
0.5897

 85.3840, 0.3140,
0.4159

 71.7968, 0.3024,
0.5981

 89.5813, 0.3138,
0.3839

 94.4427, 0.3134,
0.3548

99.9954, 0.3127,
0.3290

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



76.4724, 0.4059, 0.5089



76.4724, 0.3117, 0.5192



76.4724, 0.2226, 0.4394

Triad

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



76.4724, 0.3117, 0.5192



76.4724, 0.1565, 0.1883



76.4724, 0.4842, 0.3056

Complementary

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



76.4724, 0.3117, 0.5192



34.7105, 0.3026, 0.1820

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.



76.4724, 0.3913, 0.2448



76.4724, 0.3117, 0.5192



76.4724, 0.2024, 0.1805

Square

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



76.4724, 0.3117, 0.5192



76.4724, 0.1433, 0.2310



76.4724, 0.2840, 0.2006



76.4724, 0.5165, 0.3742

Rectangle

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



76.4724, 0.3117, 0.5192



76.4724, 0.1790, 0.3580



76.4724, 0.2840, 0.2006



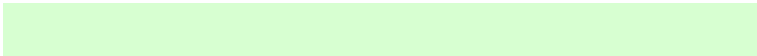
76.4724, 0.4582, 0.2841

Sweetspot

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



76.4756, 0.3117, 0.5192



90.5034, 0.3138, 0.3778



81.4046, 0.4090, 0.4546



19.0873, 0.3139, 0.3866



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.



76.4756, 0.3117, 0.5192



74.3121, 0.3094, 0.5548



76.8146, 0.2807, 0.4547



20.2709, 0.3133, 0.3534



37.5482, 0.3029, 0.5977



3.6873, 0.3081, 0.5936

Inverse Universe

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



34.7105, 0.3026, 0.1820



29.1529, 0.2992, 0.1614



34.8783, 0.3780, 0.2342



18.1850, 0.3119, 0.3054



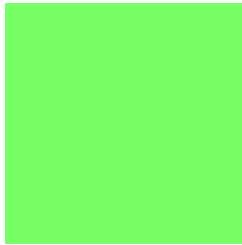
12.1693, 0.2912, 0.1378



1.2144, 0.2948, 0.1398

Previews

White Background



This preview shows how the Yxy color 76.4724, 0.3117, 0.5192 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 76.4724, 0.3117, 0.5192 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

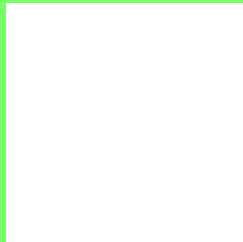
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4724, 0.3117, 0.5192

Background



This preview shows how black text looks on a background with the Yxy color 76.4724, 0.3117, 0.5192.

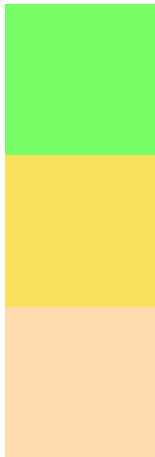


This preview shows how white text looks on a background with the Yxy color 76.4724, 0.3117, 0.5192.

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

76.4724, 0.3117, 0.5192

Protanopia

74.9647, 0.4153, 0.4557

Deuteranopia

74.9790, 0.3714, 0.3753



Tritanopia

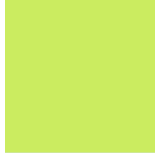
76.0505, 0.2587, 0.3098

Trichromacy



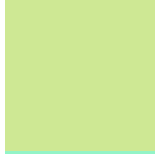
Original Color

76.4724, 0.3117, 0.5192



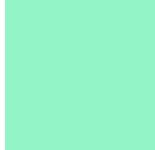
Protanomaly

73.5319, 0.3719, 0.4821



Deuteranomaly

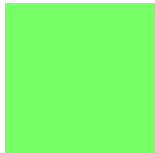
72.9732, 0.3477, 0.4253



Tritanomaly

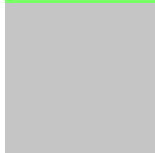
75.0279, 0.2800, 0.3841

Monochromacy



Original Color

76.4724, 0.3117, 0.5192



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.1865, 0.3142, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4724, 0.3117, 0.5192 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(120, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 102)  
}
```

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(120, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 76.4724, 0.3117, 0.5192 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(120, 255, 102) }
```

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

```
.border{ border-color:rgb(120, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4724, 0.3117, 0.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 102) }
```

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

```
.background{ background-color: rgb(120,  
255, 102) }
```

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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