

Converting Colors

Yxy(76.6818, 0.3046, 0.5022)

Have a look what the booklet for
Yxy(76.6818, 0.3046, 0.5022)
contains.

Yxy(76.6796, 0.3046, 0.5023)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.6796, 0.3046, 0.5023)

Conversions

Conversions Part 1

Format	Color
Hex	76FF76
RGB	118, 255, 118
RGB Percent	46%, 100%, 46%
CMY	0.5373, 0.0000, 0.5374
CMYK	0.54, 0.00, 0.54, 0.00
HSL	120°, 100%, 73%
HSV	120°, 54%, 100%
XYZ	46.4993, 76.6796, 29.4781
YIQ	198.4190, -37.6750, -71.6510

Conversions

Conversions Part 2

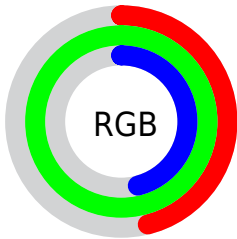
Format	Color
RYB	118, 255, 255
Decimal	7798646
CIELab	90.17, -63.67, 53.68
CIELCh	90, 83.275, 139.867
Yxy	76.6796, 0.3046, 0.5023
Android (android.graphics.Color)	4285988726 (0xFF76FF76)
YUV	198.4190, -39.6466, -70.5275
Hunter-Lab	87.5669, -58.4559, 41.3377

Details

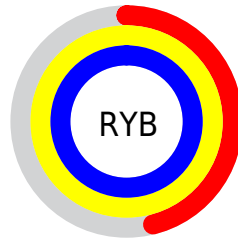
The Yxy color **76.6796, 0.3046, 0.5023** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **41.4232, 0.3187, 0.2008**, and the grayscale version is **57.0006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1208, 0.3118, 0.4237**, and **40.9556, 0.2966, 0.5483** is the 20% darker color. If you saturate the color by 10%, you get **74.6023, 0.3030, 0.5360**, and if you desaturate by 10%, it is **79.4011, 0.3063, 0.4662**.

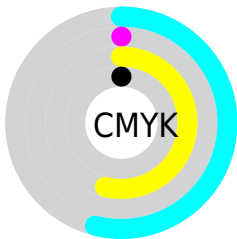
Distribution



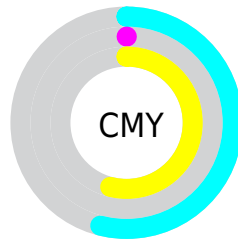
- Red (46%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6796, 0.3046, 0.5023 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 76.6796, 0.3046, 0.5023 by changing the saturation by 10% instead.


 76.6796, 0.3046,
0.5023

 76.6796, 0.3046,
0.5023


483.6709, 0.3132,
0.4167


 56.9899, 0.3013,
0.5227

 128.6871, 0.3087,
0.4718

 40.9972, 0.2964,
0.5481


 161.7737, 0.3099,
0.4601

 28.3169, 0.2889,
0.5804


 200.0948, 0.3108,
0.4502

 18.5647, 0.2772,
0.6222

244.0348, 0.3116,
0.4416

 11.3561, 0.2577,
0.6770

293.9780, 0.3121,
0.4342

 6.3069, 0.2302,
0.7698


350.3088, 0.3125,


 3.0326, 0.1579,


0.4276


0.8421

413.4116, 0.3129,
0.4218


 1.1488, 0.0000,
1.0000


 0.0193, 0.0000,
1.0000


 76.6796, 0.3046,
0.5023


 76.6796, 0.3046,
0.5023


 74.6023, 0.3030,
0.5360

 79.4011, 0.3063,
0.4662


 73.1185, 0.3017,
0.5643


 82.8169, 0.3080,
0.4303

 72.1655, 0.3007,
0.5849

 86.9692, 0.3096,
0.3964

 71.6677, 0.3002,
0.5965

 91.8974, 0.3110,
0.3656

 71.5204, 0.3000,
0.6000

 97.6382, 0.3123,
0.3383

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.



76.6796, 0.3946, 0.5028



76.6796, 0.3046, 0.5023



76.6796, 0.2215, 0.4213

Triad

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



76.6796, 0.3046, 0.5023



76.6796, 0.1669, 0.1936



76.6796, 0.4794, 0.3140

Complementary

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



76.6796, 0.3046, 0.5023



41.4232, 0.3187, 0.2008

Split Complementary

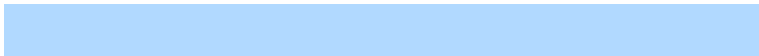
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6796, 0.3965, 0.2545



76.6796, 0.3046, 0.5023



76.6796, 0.2144, 0.1884

Square

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



76.6796, 0.3046, 0.5023



76.6796, 0.1513, 0.2315



76.6796, 0.2952, 0.2101



76.6796, 0.5045, 0.3806

Rectangle

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



76.6796, 0.3046, 0.5023



76.6796, 0.1819, 0.3461



76.6796, 0.2952, 0.2101



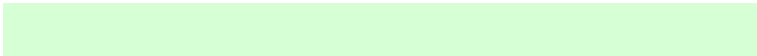
76.6796, 0.4568, 0.2931

Sweetspot

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



76.6787, 0.3046, 0.5023



90.7129, 0.3107, 0.3722



92.6387, 0.3918, 0.4563



19.1932, 0.3104, 0.3785



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.



76.6787, 0.3046, 0.5023



74.5562, 0.3030, 0.5368



78.8383, 0.2751, 0.4178



20.1684, 0.3116, 0.3536



37.3710, 0.3000, 0.6000



3.6388, 0.3000, 0.6000

Inverse Universe

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



41.4232, 0.3187, 0.2008



36.0926, 0.3195, 0.1828



37.8732, 0.3867, 0.2575



18.3002, 0.3138, 0.3056



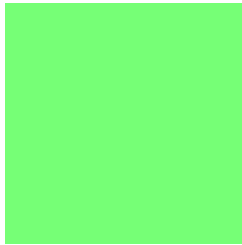
14.8757, 0.3209, 0.1541



1.4485, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 76.6796, 0.3046, 0.5023 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 76.6796, 0.3046, 0.5023 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

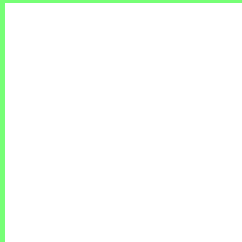
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6796, 0.3046, 0.5023

Background



This preview shows how black text looks on a background with the Yxy color 76.6796, 0.3046, 0.5023.



This preview shows how white text looks on a background with the Yxy color 76.6796, 0.3046, 0.5023.

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

76.6796, 0.3046, 0.5023

Protanopia

75.0729, 0.4069, 0.4447

Deuteranopia

75.0974, 0.3693, 0.3722



Tritanopia

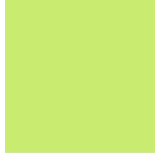
76.0505, 0.2587, 0.3098

Trichromacy



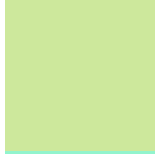
Original Color

76.6796, 0.3046, 0.5023



Protanomaly

73.5783, 0.3628, 0.4683



Deuteranomaly

73.0927, 0.3420, 0.4164



Tritanomaly

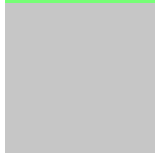
75.2201, 0.2764, 0.3765

Monochromacy



Original Color

76.6796, 0.3046, 0.5023



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.9626, 0.3097, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6796, 0.3046, 0.5023 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(118, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 118)  
}
```

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(118, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 118) }
```

Border

The CSS property to change the border of an element to Yxy 76.6796, 0.3046, 0.5023 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(118, 255, 118) }
```

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

```
.border{ border-color:rgb(118, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6796, 0.3046, 0.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 118) }
```

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

```
.background{ background-color: rgb(118,  
255, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor