

Converting Colors

$Yxy(75.9878, 0.3162, 0.5363)$

Have a look what the booklet for
Yxy(75.9878, 0.3162, 0.5363)
contains.

Yxy(76.0274, 0.3164, 0.5362)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.0274, 0.3164, 0.5362)

Conversions

Conversions Part 1

Format	Color
Hex	76FF55
RGB	118, 255, 85
RGB Percent	46%, 100%, 33%
CMY	0.5376, 0.0000, 0.6667
CMYK	0.54, 0.00, 0.67, 0.00
HSL	108°, 100%, 67%
HSV	108°, 67%, 100%
XYZ	44.8621, 76.0274, 20.8997
YIQ	194.6570, -27.0820, -81.9140

Conversions

Conversions Part 2

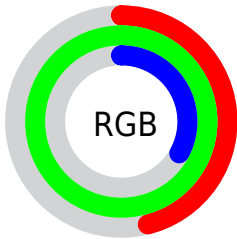
Format	Color
RYB	85, 255, 222
Decimal	7798613
CIELab	89.87, -67.05, 67.17
CIElCh	90, 94.904, 134.947
Yxy	76.0274, 0.3164, 0.5362
Android (android.graphics.Color)	4285988693 (0xFF76FF55)
YUV	194.6570, -54.0609, -67.2282
Hunter-Lab	87.1937, -60.7487, 46.8242

Details

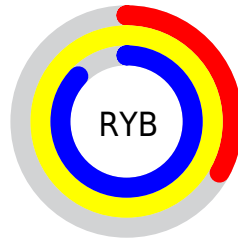
The Yxy color **76.0274, 0.3164, 0.5362** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **29.2535, 0.2886, 0.1641**, and the grayscale version is **54.6817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1763, 0.3283, 0.4591**, and **40.5278, 0.3070, 0.5885** is the 20% darker color. If you saturate the color by 10%, you get **74.4020, 0.3139, 0.5623**, and if you desaturate by 10%, it is **78.1007, 0.3179, 0.5051**.

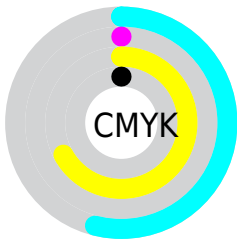
Distribution



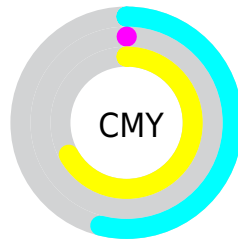
- Red (46%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (87%)



- Cyan (54%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0274, 0.3164, 0.5362 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 76.0274, 0.3164, 0.5362 by changing the saturation by 10% instead.


 76.0274, 0.3164,
0.5362


 76.0274, 0.3164,
0.5362


481.4415, 0.3222,
0.4345

 56.4550, 0.3128,
0.5597


 127.7656, 0.3202,
0.5004

 40.5678, 0.3071,
0.5884


 160.7002, 0.3211,
0.4866

 27.9815, 0.2979,
0.6238


 198.8577, 0.3217,
0.4747

 18.3117, 0.2828,
0.6676

 242.6224, 0.3221,
0.4645

 11.1740, 0.2613,
0.7315

292.3787, 0.3223,
0.4556

 6.1840, 0.2153,
0.7847


348.5111, 0.3223,

 2.9573, 0.1332,

0.4477

0.8668


411.4039, 0.3223,
0.4407


 1.1095, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.0274, 0.3164,
0.5362

 76.0274, 0.3164,
0.5362


 74.4020, 0.3139,
0.5623


 78.1007, 0.3179,
0.5051


 73.2049, 0.3106,
0.5815

 80.6721, 0.3185,
0.4713

 72.3863, 0.3068,
0.5929

 83.7656, 0.3181,
0.4371

 72.1830, 0.3056,
0.5955

 87.4084, 0.3172,
0.4042

■ 91.6260, 0.3157,
0.3736

■ 96.4419, 0.3140,
0.3458

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.



76.0274, 0.4153, 0.5155



76.0274, 0.3164, 0.5362



76.0274, 0.2215, 0.4567

Triad

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



76.0274, 0.3164, 0.5362



76.0274, 0.1464, 0.1820



76.0274, 0.4910, 0.2982

Complementary

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



76.0274, 0.3164, 0.5362



29.2535, 0.2886, 0.1641

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.



76.0274, 0.3884, 0.2360



76.0274, 0.3164, 0.5362



76.0274, 0.1916, 0.1723

Square

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



76.0274, 0.3164, 0.5362



76.0274, 0.1348, 0.2287



76.0274, 0.2746, 0.1915



76.0274, 0.5294, 0.3689

Rectangle

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



76.0274, 0.3164, 0.5362



76.0274, 0.1744, 0.3682



76.0274, 0.2746, 0.1915



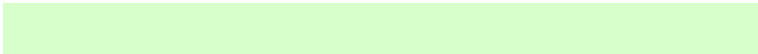
76.0274, 0.4618, 0.2762

Sweetspot

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



76.0216, 0.3164, 0.5362



90.1578, 0.3162, 0.3834



73.6266, 0.4255, 0.4558



19.0428, 0.3167, 0.3920



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.



76.0216, 0.3164, 0.5362



73.9589, 0.3129, 0.5696



75.2277, 0.2841, 0.4864



20.3375, 0.3145, 0.3534



37.7650, 0.3064, 0.5949



3.7194, 0.3132, 0.5895

Inverse Universe

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



29.2535, 0.2886, 0.1641



24.1072, 0.2817, 0.1433



32.1136, 0.3745, 0.2171



18.1121, 0.3107, 0.3054



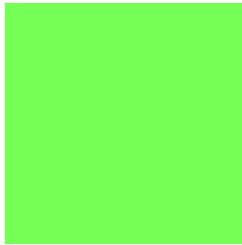
10.6621, 0.2722, 0.1273



1.0816, 0.2780, 0.1305

Previews

White Background



This preview shows how the Yxy color 76.0274, 0.3164, 0.5362 looks on a white background.

Color Contrast Check

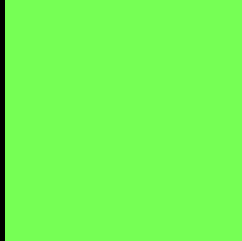
Large Text (above 18pt) WCAG AA × Fail

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 76.0274, 0.3164, 0.5362 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

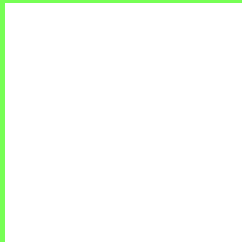
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.0274, 0.3164, 0.5362

Background



This preview shows how black text looks on a background with the Yxy color 76.0274, 0.3164, 0.5362.

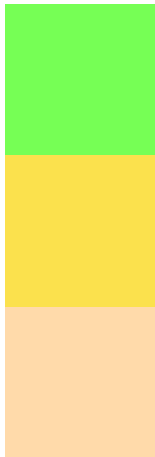


This preview shows how white text looks on a background with the Yxy color 76.0274, 0.3164, 0.5362.

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

76.0274, 0.3164, 0.5362

Protanopia

74.8955, 0.4231, 0.4657

Deuteranopia

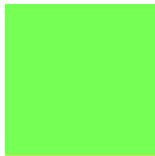
74.3051, 0.3746, 0.3784



Tritanopia

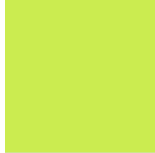
75.2620, 0.2576, 0.3086

Trichromacy



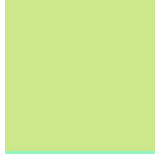
Original Color

76.0274, 0.3164, 0.5362



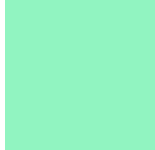
Protanomaly

73.2666, 0.3786, 0.4947



Deuteranomaly

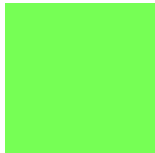
71.9950, 0.3526, 0.4346



Tritanomaly

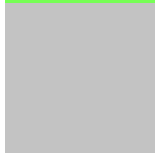
74.5714, 0.2820, 0.3920

Monochromacy



Original Color

76.0274, 0.3164, 0.5362



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

60.2078, 0.3174, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0274, 0.3164, 0.5362 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 85) }
```

Border

The CSS property to change the border of an element to Yxy 76.0274, 0.3164, 0.5362 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, 85) }
```

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

```
.border{ border-color:rgb(118, 255, 85) }
```

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, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 85);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0274, 0.3164, 0.5362 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, 85) }
```

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

```
.background{ background-color: rgb(118,  
255, 85) }
```

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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