

Converting Colors

$Yxy(76.3125, 0.3427, 0.5045)$

Have a look what the booklet for
Yxy(76.3125, 0.3427, 0.5045)
contains.

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Color

Yxy(76.3042, 0.3428, 0.5047)

Conversions

Conversions Part 1

Format	Color
Hex	A8F860
RGB	168, 248, 96
RGB Percent	66%, 97%, 38%
CMY	0.3412, 0.0274, 0.6236
CMYK	0.32, 0.00, 0.61, 0.03
HSL	92°, 92%, 67%
HSV	92°, 61%, 97%
XYZ	51.8270, 76.3042, 23.0561
YIQ	206.7520, 1.1120, -64.2320

Conversions

Conversions Part 2

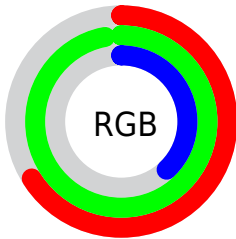
Format	Color
RYB	96, 248, 176
Decimal	11073632
CIELab	90.00, -48.41, 63.55
CIElCh	90, 79.891, 127.300
Yxy	76.3042, 0.3428, 0.5047
Android (android.graphics.Color)	4289263712 (0xFFA8F860)
YUV	206.7520, -54.6007, -33.9855
Hunter-Lab	87.3523, -46.9606, 45.4974

Details

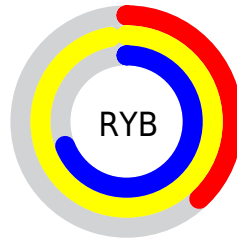
The Yxy color **76.3042, 0.3428, 0.5047** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **24.3663, 0.2520, 0.1574**, and the grayscale version is **62.5873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1179, 0.3541, 0.4365**, and **40.7102, 0.3414, 0.5474** is the 20% darker color. If you saturate the color by 10%, you get **74.5593, 0.3429, 0.5302**, and if you desaturate by 10%, it is **78.3435, 0.3407, 0.4760**.

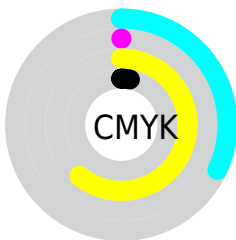
Distribution



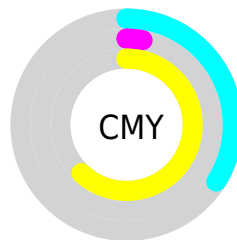
- Red (66%)
- Green (97%)
- Blue (38%)



- Red (38%)
- Yellow (97%)
- Blue (69%)



- Cyan (32%)
- Magenta (0%)
- Yellow (61%)
- Black (3%)



- Cyan (34%)
- Magenta (3%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3042, 0.3428, 0.5047 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 76.3042, 0.3428, 0.5047 by changing the saturation by 10% instead.

 76.3042, 0.3428,
0.5047


 76.3042, 0.3428,
0.5047


482.3884, 0.3347,
0.4203


 56.6820, 0.3428,
0.5239


 128.1568, 0.3414,
0.4753

 40.7500, 0.3417,
0.5471


 161.1560, 0.3404,
0.4639

 28.1238, 0.3387,
0.5757


 199.3830, 0.3394,
0.4541

 18.4190, 0.3318,
0.6109

 243.2221, 0.3384,
0.4455

 11.2512, 0.3196,
0.6582

293.0579, 0.3374,
0.4380

 6.2361, 0.2910,
0.7090


349.2745, 0.3365,


 2.9892, 0.2364,

0.4314


0.7636


412.2566, 0.3356,
0.4256

 1.1261, 0.0000,
1.0000


 0.0000, 0.0000,
1.0000


 76.3042, 0.3428,
0.5047

 76.3042, 0.3428,
0.5047


 74.5593, 0.3429,
0.5302


 78.3435, 0.3407,
0.4760


 73.0806, 0.3408,
0.5510

 80.6836, 0.3369,
0.4456


 71.8500, 0.3367,
0.5660


 83.3426, 0.3319,
0.4151

 70.9548, 0.3319,
0.5747

 86.3342, 0.3261,
0.3856

 89.6712, 0.3199,
0.3578

 93.3656, 0.3135,
0.3322

 95.6180, 0.3130,
0.3223

Harmonies

Analogous

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



76.3042, 0.4259, 0.4793



76.3042, 0.3428, 0.5047



76.3042, 0.2565, 0.4574

Triad

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



76.3042, 0.3428, 0.5047



76.3042, 0.1613, 0.2092



76.3042, 0.4448, 0.2896

Complementary

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



76.3042, 0.3428, 0.5047



24.3663, 0.2520, 0.1574

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.



76.3042, 0.3522, 0.2366



76.3042, 0.3428, 0.5047



76.3042, 0.1944, 0.1915

Square

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



76.3042, 0.3428, 0.5047



76.3042, 0.1592, 0.2625



76.3042, 0.2597, 0.2020



76.3042, 0.4951, 0.3524

Rectangle

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



76.3042, 0.3428, 0.5047



76.3042, 0.2090, 0.3910



76.3042, 0.2597, 0.2020



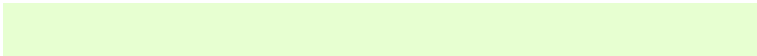
76.3042, 0.4166, 0.2704

Sweetspot

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



76.3075, 0.3428, 0.5047



93.0918, 0.3241, 0.3763



51.2767, 0.4473, 0.4091



19.7112, 0.3259, 0.3846



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.



76.3075, 0.3428, 0.5047



78.9553, 0.3426, 0.5366



70.5150, 0.3025, 0.5251



19.7124, 0.3188, 0.3530



38.4101, 0.3330, 0.5738



3.6200, 0.3421, 0.5666

Inverse Universe

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



24.3663, 0.2520, 0.1574



19.2150, 0.2357, 0.1270



34.9402, 0.3218, 0.1891



17.0925, 0.3062, 0.3051



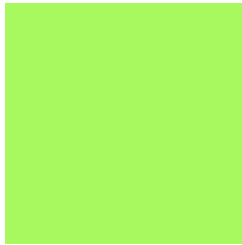
6.3305, 0.2074, 0.0916



0.6494, 0.2199, 0.0985

Previews

White Background



This preview shows how the Yxy color 76.3042, 0.3428, 0.5047 looks on a white background.

Color Contrast Check

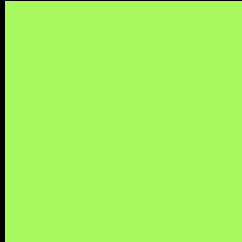
Large Text (above 18pt) WCAG AA × Fail

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 76.3042, 0.3428, 0.5047 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

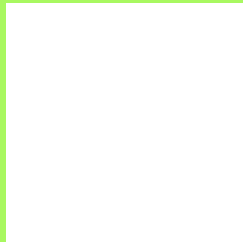
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3042, 0.3428, 0.5047

Background



This preview shows how black text looks on a background with the Yxy color 76.3042, 0.3428, 0.5047.



This preview shows how white text looks on a background with the Yxy color 76.3042, 0.3428, 0.5047.

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

76.3042, 0.3428, 0.5047

Protanopia

75.6232, 0.4173, 0.4588

Deuteranopia

75.5415, 0.3704, 0.3752



Tritanopia

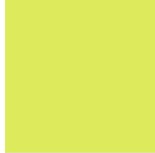
75.6254, 0.2750, 0.3081

Trichromacy



Original Color

76.3042, 0.3428, 0.5047



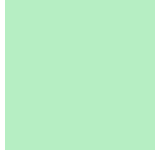
Protanomaly

74.9905, 0.3883, 0.4760



Deuteranomaly

74.3569, 0.3622, 0.4214



Tritanomaly

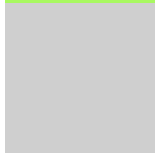
75.0343, 0.3020, 0.3795

Monochromacy



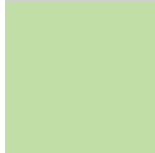
Original Color

76.3042, 0.3428, 0.5047



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.3700, 0.3281, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3042, 0.3428, 0.5047 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(168, 248, 96)` looks like.

```
.text, #text, p{  
    color:rgb(168, 248, 96)  
}
```

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(168, 248, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 248, 96) }
```

Border

The CSS property to change the border of an element to Yxy 76.3042, 0.3428, 0.5047 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(168, 248, 96) }
```

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

```
.border{ border-color:rgb(168, 248, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 248, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 248, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 248, 96);  
box-shadow:4px 4px 4px 4px rgb(168, 248,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3042, 0.3428, 0.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 248, 96) }
```

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

```
.background{ background-color: rgb(168,  
248, 96) }
```

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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