

Converting Colors

$Yxy(76.7949, 0.3322, 0.4993)$

Have a look what the booklet for
Yxy(76.7949, 0.3322, 0.4993)
contains.

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Color

Yxy(76.8037, 0.3321, 0.4988)

Conversions

Conversions Part 1

Format	Color
Hex	9FFA6B
RGB	159, 250, 107
RGB Percent	62%, 98%, 42%
CMY	0.3765, 0.0196, 0.5804
CMYK	0.36, 0.00, 0.57, 0.02
HSL	98°, 93%, 70%
HSV	98°, 57%, 98%
XYZ	51.1357, 76.8037, 26.0375
YIQ	206.4890, -8.3330, -63.7650

Conversions

Conversions Part 2

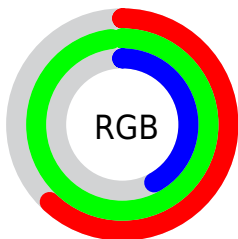
Format	Color
RYB	107, 250, 198
Decimal	10484331
CIELab	90.23, -51.23, 59.02
CIElCh	90, 78.153, 130.961
Yxy	76.8037, 0.3321, 0.4988
Android (android.graphics.Color)	4288674411 (0xFF9FFA6B)
YUV	206.4890, -49.0481, -41.6479
Hunter-Lab	87.6377, -49.2130, 43.7311

Details

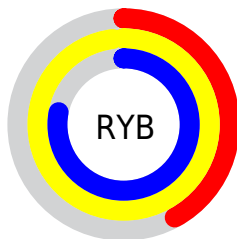
The Yxy color **76.8037, 0.3321, 0.4988** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **29.4251, 0.2711, 0.1742**, and the grayscale version is **62.3763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0341, 0.3425, 0.4284**, and **41.1546, 0.3293, 0.5409** is the 20% darker color. If you saturate the color by 10%, you get **74.8314, 0.3318, 0.5276**, and if you desaturate by 10%, it is **79.1441, 0.3308, 0.4675**.

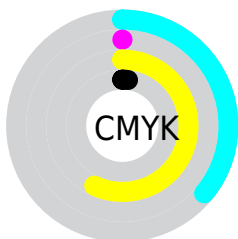
Distribution



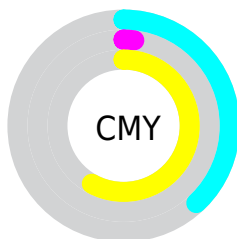
- Red (62%)
- Green (98%)
- Blue (42%)



- Red (42%)
- Yellow (98%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (57%)
- Black (2%)




- Cyan (38%)
- Magenta (2%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8037, 0.3321, 0.4988 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 76.8037, 0.3321, 0.4988 by changing the saturation by 10% instead.


 76.8037, 0.3321,
0.4988

 76.8037, 0.3321,
0.4988

484.0945, 0.3282,
0.4166


 57.0918, 0.3314,
0.5178


 128.8623, 0.3320,
0.4699


 41.0789, 0.3296,
0.5412

 161.9779, 0.3316,
0.4588

 28.3808, 0.3259,
0.5702


 200.3300, 0.3311,
0.4492

 18.6129, 0.3186,
0.6068

 244.3032, 0.3305,
0.4409

 11.3909, 0.3048,
0.6537

294.2819, 0.3299,
0.4336

 6.3304, 0.2804,
0.7196

350.6504, 0.3294,

 3.0470, 0.2238,

0.4273

0.7762

413.7931, 0.3288,
0.4216

■ 1.1563, 0.0000,
1.0000

■ 0.0256, 0.0000,
1.0000

■ 76.8037, 0.3321,
0.4988

■ 76.8037, 0.3321,
0.4988

■ 74.8314, 0.3318,
0.5276

■ 79.1441, 0.3308,
0.4675

■ 73.1959, 0.3296,
0.5520


■ 81.8620, 0.3282,
0.4354


■ 71.8760, 0.3257,
0.5705


■ 84.9787, 0.3247,
0.4040


■ 70.8423, 0.3205,
0.5824

■ 88.5108, 0.3205,
0.3744

 70.5943, 0.3189,
0.5850

 92.4739, 0.3160,
0.3471

 96.7531, 0.3126,
0.3242

 96.8556, 0.3129,
0.3242

Harmonies

Analogous

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



76.8037, 0.4150, 0.4820



76.8037, 0.3321, 0.4988



76.8037, 0.2486, 0.4434

Triad

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



76.8037, 0.3321, 0.4988



76.8037, 0.1664, 0.2079



76.8037, 0.4506, 0.2978

Complementary

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



76.8037, 0.3321, 0.4988



29.4251, 0.2711, 0.1742

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.



76.8037, 0.3632, 0.2440



76.8037, 0.3321, 0.4988



76.8037, 0.2029, 0.1939

Square

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



76.8037, 0.3321, 0.4988



76.8037, 0.1607, 0.2557



76.8037, 0.2709, 0.2073



76.8037, 0.4929, 0.3605

Rectangle

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



76.8037, 0.3321, 0.4988



76.8037, 0.2042, 0.3767



76.8037, 0.2709, 0.2073



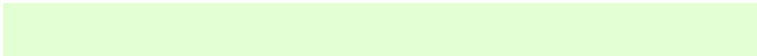
76.8037, 0.4247, 0.2785

Sweetspot

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



76.8070, 0.3321, 0.4988



92.6535, 0.3204, 0.3739



61.5787, 0.4251, 0.4210



19.6646, 0.3213, 0.3797



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.



76.8070, 0.3321, 0.4988



77.9265, 0.3315, 0.5326



73.0093, 0.2963, 0.4914



19.6163, 0.3171, 0.3531



37.5170, 0.3201, 0.5841



3.5323, 0.3292, 0.5768

Inverse Universe

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



29.4251, 0.2711, 0.1742



23.8997, 0.2594, 0.1464



36.6062, 0.3373, 0.2089



17.1907, 0.3079, 0.3052



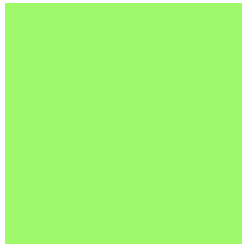
7.6611, 0.2312, 0.1048



0.7694, 0.2419, 0.1106

Previews

White Background



This preview shows how the Yxy color 76.8037, 0.3321, 0.4988 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 76.8037, 0.3321, 0.4988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

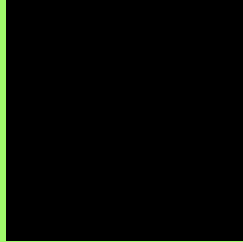
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

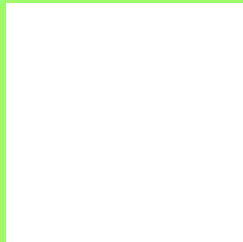
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8037, 0.3321, 0.4988

Background



This preview shows how black text looks on a background with the Yxy color 76.8037, 0.3321, 0.4988.



This preview shows how white text looks on a background with the Yxy color 76.8037, 0.3321, 0.4988.

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

76.8037, 0.3321, 0.4988

Protanopia

75.8220, 0.4120, 0.4509

Deuteranopia

75.6207, 0.3690, 0.3732



Tritanopia

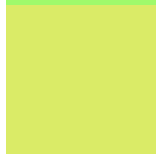
76.5175, 0.2693, 0.3080

Trichromacy



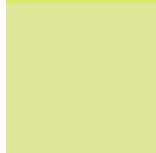
Original Color

76.8037, 0.3321, 0.4988



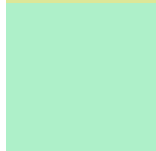
Protanomaly

75.3014, 0.3805, 0.4691



Deuteranomaly

74.6345, 0.3559, 0.4166



Tritanomaly

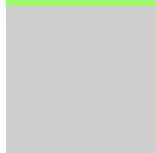
75.5359, 0.2937, 0.3750

Monochromacy



Original Color

76.8037, 0.3321, 0.4988



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.9636, 0.3232, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8037, 0.3321, 0.4988 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(159, 250, 107)` looks like.

```
.text, #text, p{  
    color:rgb(159, 250, 107)  
}
```

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(159, 250, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 250, 107) }
```

Border

The CSS property to change the border of an element to Yxy 76.8037, 0.3321, 0.4988 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(159, 250, 107) }
```

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

```
.border{ border-color:rgb(159, 250, 107) }
```

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

Here you see how a box with a 4 pixel rgb(159, 250, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 250, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 250, 107);  
box-shadow:4px 4px 4px 4px rgb(159, 250,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8037, 0.3321, 0.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 250, 107) }
```

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

```
.background{ background-color: rgb(159,  
250, 107) }
```

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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