

Converting Colors

$Yxy(76.2125, 0.3045, 0.4313)$

Have a look what the booklet for
Yxy(76.2125, 0.3045, 0.4313)
contains.

Yxy(76.3340, 0.3044, 0.4321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.3340, 0.3044, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	9DF7A3
RGB	157, 247, 163
RGB Percent	62%, 97%, 64%
CMY	0.3843, 0.0313, 0.3608
CMYK	0.36, 0.00, 0.34, 0.03
HSL	124°, 85%, 79%
HSV	124°, 36%, 97%
XYZ	53.7748, 76.3340, 46.5494
YIQ	210.5140, -26.6760, -45.2040

Conversions

Conversions Part 2

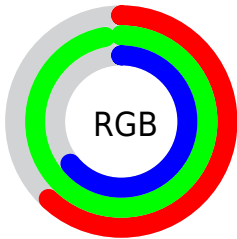
Format	Color
RYB	157, 241, 247
Decimal	10352547
CIELab	90.01, -43.42, 32.12
CIElCh	90, 54.006, 143.509
Yxy	76.3340, 0.3044, 0.4321
Android (android.graphics.Color)	4288542627 (0xFF9DF7A3)
YUV	210.5140, -23.4244, -46.9318
Hunter-Lab	87.3693, -43.0318, 29.5695

Details

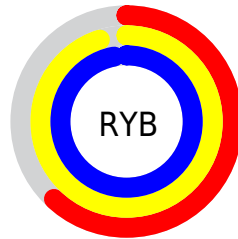
The Yxy color **76.3340, 0.3044, 0.4321** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.2371, 0.3219, 0.2439**, and the grayscale version is **64.9750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8781, 0.3084, 0.3681**, and **40.7194, 0.3004, 0.4600** is the 20% darker color. If you saturate the color by 10%, you get **73.3466, 0.3022, 0.4662**, and if you desaturate by 10%, it is **79.9806, 0.3067, 0.3999**.

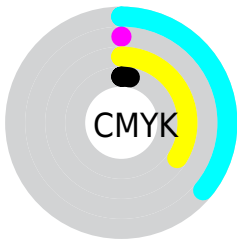
Distribution



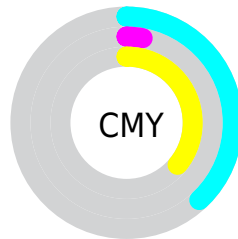
- Red (62%)
- Green (97%)
- Blue (64%)



- Red (62%)
- Yellow (95%)
- Blue (97%)



- Cyan (36%)
- Magenta (0%)
- Yellow (34%)
- Black (3%)




- Cyan (38%)
- Magenta (3%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3340, 0.3044, 0.4321 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 76.3340, 0.3044, 0.4321 by changing the saturation by 10% instead.

 76.3340, 0.3044,
0.4321


 76.3340, 0.3044,
0.4321


482.4903, 0.3099,
0.3819

 56.7064, 0.3027,
0.4441


 128.1989, 0.3066,
0.4142

 40.7696, 0.3004,
0.4592


 161.2051, 0.3074,
0.4074

 28.1391, 0.2970,
0.4787


199.4395, 0.3080,
0.4016

 18.4305, 0.2920,
0.5048

243.2867, 0.3085,
0.3966

 11.2595, 0.2837,
0.5411

293.1309, 0.3090,
0.3922

 6.2417, 0.2692,
0.5944


349.3567, 0.3093,


 2.9926, 0.2517,


0.3884

0.7087

412.3483, 0.3096,
0.3850


 1.1279, 0.0000,
1.0000

 0.0016, 0.0000,
1.0000


 76.3340, 0.3044,
0.4321


 76.3340, 0.3044,
0.4321


 73.3466, 0.3022,
0.4662


 79.9806, 0.3067,
0.3999


 70.9700, 0.3004,
0.5004

 84.3123, 0.3091,
0.3704

 69.1650, 0.2991,
0.5326

 89.3651, 0.3113,
0.3442

 67.8831, 0.2984,
0.5603

 95.0056, 0.3131,
0.3214

■ 67.0683, 0.2984,
0.5812

■ 66.6512, 0.2990,
0.5941

■ 66.5645, 0.2991,
0.5969

Harmonies

Analogous

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



76.3340, 0.3664, 0.4456



76.3340, 0.3044, 0.4321



76.3340, 0.2478, 0.3793

Triad

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



76.3340, 0.3044, 0.4321



76.3340, 0.2138, 0.2342



76.3340, 0.4255, 0.3288

Complementary

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



76.3340, 0.3044, 0.4321



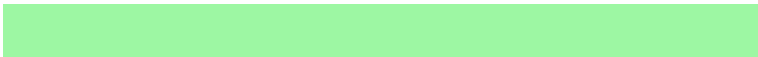
50.2371, 0.3219, 0.2439

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.



76.3340, 0.3759, 0.2835



76.3340, 0.3044, 0.4321



76.3340, 0.2522, 0.2311

Square

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



76.3340, 0.3044, 0.4321



76.3340, 0.1996, 0.2613



76.3340, 0.3106, 0.2489



76.3340, 0.4401, 0.3777

Rectangle

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



76.3340, 0.3044, 0.4321



76.3340, 0.2205, 0.3345



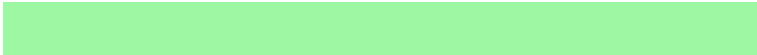
76.3340, 0.3106, 0.2489



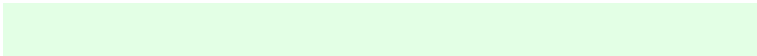
76.3340, 0.4122, 0.3129

Sweetspot

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



76.3372, 0.3044, 0.4321



93.4900, 0.3103, 0.3558



87.6614, 0.3634, 0.4212



19.8534, 0.3100, 0.3594



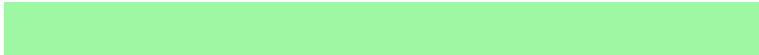
0.0000, 0.0000, 0.0000



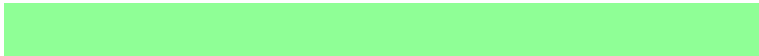
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3372, 0.3044, 0.4321



79.5532, 0.3027, 0.4580



78.2469, 0.2808, 0.3753



18.4900, 0.3107, 0.3518



35.2087, 0.2988, 0.5958



3.1007, 0.2960, 0.5854

Inverse Universe

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



50.2371, 0.3219, 0.2439



47.5918, 0.3241, 0.2272



47.8718, 0.3626, 0.2875



16.7481, 0.3148, 0.3072



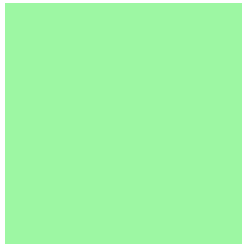
13.5031, 0.3384, 0.1638



1.1924, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 76.3340, 0.3044, 0.4321 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 76.3340, 0.3044, 0.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

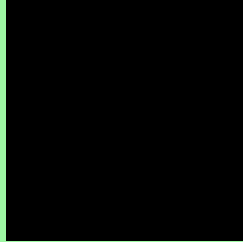
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

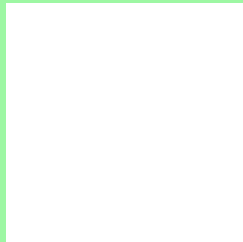
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3340, 0.3044, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 76.3340, 0.3044, 0.4321.

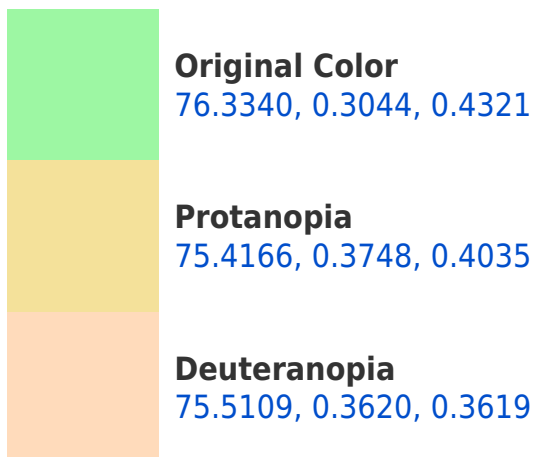


This preview shows how white text looks on a background with the Yxy color 76.3340, 0.3044, 0.4321.

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





Tritanopia

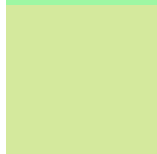
76.3249, 0.2651, 0.3079

Trichromacy



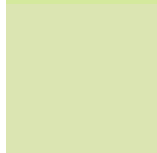
Original Color

76.3340, 0.3044, 0.4321



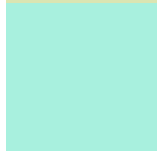
Protanomaly

74.7092, 0.3463, 0.4148



Deuteranomaly

74.3130, 0.3389, 0.3858



Tritanomaly

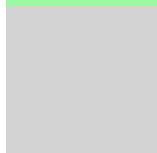
75.9189, 0.2788, 0.3499

Monochromacy



Original Color

76.3340, 0.3044, 0.4321



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.2827, 0.3090, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3340, 0.3044, 0.4321 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(157, 247, 163)` looks like.

```
.text, #text, p{  
    color:rgb(157, 247, 163)  
}
```

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(157, 247, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 247, 163) }
```

Border

The CSS property to change the border of an element to Yxy 76.3340, 0.3044, 0.4321 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(157, 247, 163) }
```

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

```
.border{ border-color:rgb(157, 247, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 247, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 247, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 247, 163);  
box-shadow:4px 4px 4px 4px rgb(157, 247,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3340, 0.3044, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 247, 163) }
```

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

```
.background{ background-color: rgb(157,  
247, 163) }
```

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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