

Converting Colors

$Y_{xy}(75.8813, 0.3076, 0.4373)$

Have a look what the booklet for
Yxy(75.8813, 0.3076, 0.4373)
contains.

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Color

Yxy(75.6493, 0.3076, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	9EF69E
RGB	158, 246, 158
RGB Percent	62%, 96%, 62%
CMY	0.3805, 0.0353, 0.3803
CMYK	0.36, 0.00, 0.36, 0.04
HSL	120°, 83%, 79%
HSV	120°, 36%, 96%
XYZ	53.2244, 75.6493, 44.1576
YIQ	209.6560, -24.2000, -46.0240

Conversions

Conversions Part 2

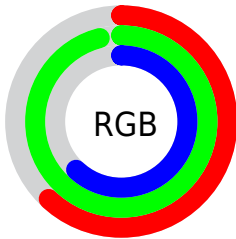
Format	Color
RYB	158, 246, 246
Decimal	10417822
CIELab	89.70, -43.46, 34.20
CIELCh	90, 55.303, 141.806
Yxy	75.6493, 0.3076, 0.4372
Android (android.graphics.Color)	4288607902 (0xFF9EF69E)
YUV	209.6560, -25.4664, -45.3023
Hunter-Lab	86.9766, -42.9778, 30.7824

Details

The Yxy color **75.6493, 0.3076, 0.4372** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.6860, 0.3169, 0.2403**, and the grayscale version is **64.3915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7712, 0.3119, 0.3735**, and **40.2606, 0.3036, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **72.6394, 0.3059, 0.4732**, and if you desaturate by 10%, it is **79.3342, 0.3092, 0.4029**.

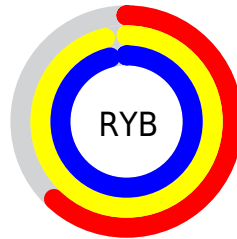
Distribution



Red (62%)

Green (96%)

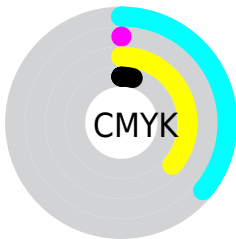
Blue (62%)



Red (62%)

Yellow (96%)

Blue (96%)

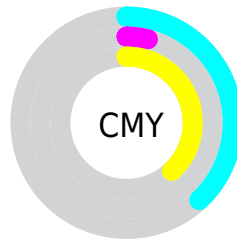


Cyan (36%)

Magenta (0%)

Yellow (36%)

Black (4%)



Cyan (38%)

Magenta (4%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6493, 0.3076, 0.4372 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 75.6493, 0.3076, 0.4372 by changing the saturation by 10% instead.


 75.6493, 0.3076,
0.4372

 75.6493, 0.3076,
0.4372


480.1463, 0.3118,
0.3844

 56.1450, 0.3061,
0.4498


 127.2311, 0.3094,
0.4184

 40.3192, 0.3041,
0.4657


 160.0773, 0.3100,
0.4112

 27.7875, 0.3010,
0.4862


198.1396, 0.3105,
0.4051

 18.1655, 0.2961,
0.5136

241.8024, 0.3109,
0.3998

 11.0689, 0.2880,
0.5517

291.4501, 0.3112,
0.3952

 6.1132, 0.2731,
0.6071


347.4670, 0.3114,


 2.9140, 0.2599,


0.3912


0.7401

410.2376, 0.3116,
0.3876

 1.0870, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6493, 0.3076,
0.4372

 75.6493, 0.3076,
0.4372

 72.6394, 0.3059,
0.4732


 79.3342, 0.3092,
0.4029

 70.2548, 0.3042,
0.5090

 83.7212, 0.3107,
0.3715

 68.4542, 0.3027,
0.5418

 88.8477, 0.3120,
0.3435

 67.1875, 0.3014,
0.5688

 94.3974, 0.3131,
0.3204

■ 66.3960, 0.3006,
0.5877

■ 66.0073, 0.3001,
0.5976

■ 65.9178, 0.3000,
0.6000

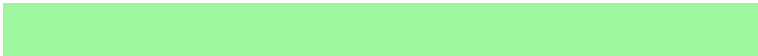
Harmonies

Analogous

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



75.6493, 0.3710, 0.4482



75.6493, 0.3076, 0.4372



75.6493, 0.2489, 0.3845

Triad

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



75.6493, 0.3076, 0.4372



75.6493, 0.2099, 0.2328



75.6493, 0.4265, 0.3257

Complementary

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



75.6493, 0.3076, 0.4372



50.6860, 0.3169, 0.2403

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.



75.6493, 0.3740, 0.2799



75.6493, 0.3076, 0.4372



75.6493, 0.2478, 0.2284

Square

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



75.6493, 0.3076, 0.4372



75.6493, 0.1969, 0.2617



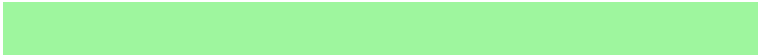
75.6493, 0.3067, 0.2455



75.6493, 0.4437, 0.3757

Rectangle

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



75.6493, 0.3076, 0.4372



75.6493, 0.2201, 0.3384



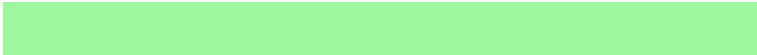
75.6493, 0.3067, 0.2455



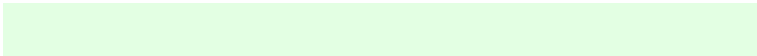
75.6493, 0.4122, 0.3096

Sweetspot

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



75.6525, 0.3076, 0.4372



93.3873, 0.3114, 0.3577



87.9793, 0.3667, 0.4182



19.8292, 0.3112, 0.3616



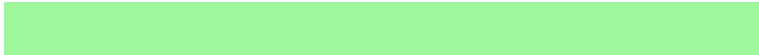
0.0000, 0.0000, 0.0000



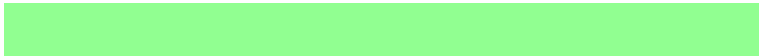
21.4041, 0.3127, 0.3290

Same Dimension

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



75.6525, 0.3076, 0.4372



79.6294, 0.3064, 0.4634



77.4464, 0.2844, 0.3816



18.4723, 0.3116, 0.3535



35.1814, 0.3000, 0.6000



3.0922, 0.3000, 0.5998

Inverse Universe

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



50.6860, 0.3169, 0.2403



48.8324, 0.3177, 0.2234



48.2995, 0.3557, 0.2822



16.7681, 0.3138, 0.3057



14.0033, 0.3211, 0.1543



1.2308, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 75.6493, 0.3076, 0.4372 looks on a white background.

Color Contrast Check

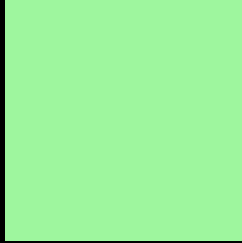
Large Text (above 18pt) WCAG AA × Fail

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 75.6493, 0.3076, 0.4372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

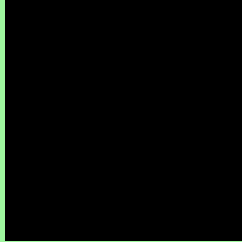
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.6493, 0.3076, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 75.6493, 0.3076, 0.4372.

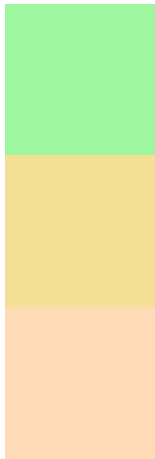


This preview shows how white text looks on a background with the Yxy color 75.6493, 0.3076, 0.4372.

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

75.6493, 0.3076, 0.4372

Protanopia

74.5359, 0.3778, 0.4078

Deuteranopia

74.8217, 0.3652, 0.3650



Tritanopia

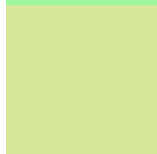
75.1676, 0.2664, 0.3078

Trichromacy



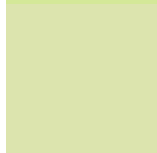
Original Color

75.6493, 0.3076, 0.4372



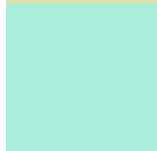
Protanomaly

73.9773, 0.3497, 0.4194



Deuteranomaly

73.7584, 0.3424, 0.3892



Tritanomaly

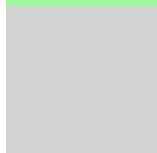
74.6460, 0.2813, 0.3524

Monochromacy



Original Color

75.6493, 0.3076, 0.4372



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.6133, 0.3109, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6493, 0.3076, 0.4372 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(158, 246, 158)` looks like.

```
.text, #text, p{  
    color:rgb(158, 246, 158)  
}
```

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(158, 246, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 246, 158) }
```

Border

The CSS property to change the border of an element to Yxy 75.6493, 0.3076, 0.4372 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(158, 246, 158) }
```

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

```
.border{ border-color:rgb(158, 246, 158) }
```

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

Here you see how a box with a 4 pixel rgb(158, 246, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 246, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 246, 158);  
box-shadow:4px 4px 4px 4px rgb(158, 246,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6493, 0.3076, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 246, 158) }
```

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

```
.background{ background-color: rgb(158,  
246, 158) }
```

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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