

Converting Colors

$Yxy(73.5047, 0.3114, 0.4284)$

Have a look what the booklet for
Yxy(73.5047, 0.3114, 0.4284)
contains.

Yxy(73.5557, 0.3117, 0.4284)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.5557, 0.3117, 0.4284)

Conversions

Conversions Part 1

Format	Color
Hex	A6F1A0
RGB	166, 241, 160
RGB Percent	65%, 95%, 63%
CMY	0.3492, 0.0548, 0.3726
CMYK	0.31, 0.00, 0.34, 0.05
HSL	116°, 74%, 79%
HSV	116°, 34%, 95%
XYZ	53.5185, 73.5557, 44.6245
YIQ	209.3410, -18.6990, -41.0910

Conversions

Conversions Part 2

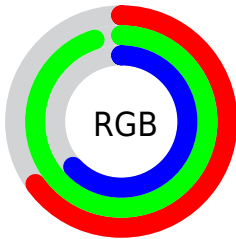
Format	Color
RYB	160, 241, 235
Decimal	10940832
CIELab	88.71, -38.46, 31.98
CIElCh	89, 50.021, 140.260
Yxy	73.5557, 0.3117, 0.4284
Android (android.graphics.Color)	4289130912 (0xFFA6F1A0)
YUV	209.3410, -24.3251, -38.0101
Hunter-Lab	85.7646, -38.7013, 29.1859

Details

The Yxy color **73.5557, 0.3117, 0.4284** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.1544, 0.3116, 0.2442**, and the grayscale version is **64.1611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1143, 0.3157, 0.3707**, and **38.7432, 0.3091, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **70.5896, 0.3108, 0.4635**, and if you desaturate by 10%, it is **77.1102, 0.3123, 0.3952**.

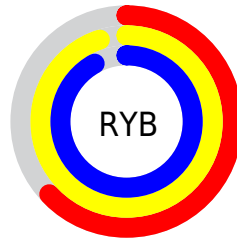
Distribution



Red (65%)

Green (95%)

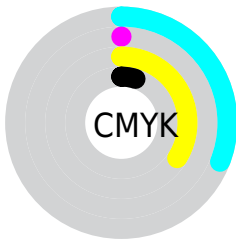
Blue (63%)



Red (63%)

Yellow (95%)

Blue (92%)

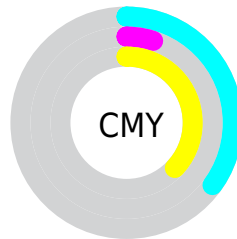


Cyan (31%)

Magenta (0%)

Yellow (34%)

Black (5%)



Cyan (35%)


Magenta (5%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.5557, 0.3117, 0.4284 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 73.5557, 0.3117, 0.4284 by changing the saturation by 10% instead.


 73.5557, 0.3117,
0.4284

 73.5557, 0.3117,
0.4284


472.9385, 0.3137,
0.3799

 54.4305, 0.3108,
0.4400


 124.2658, 0.3127,
0.4111

 38.9459, 0.3095,
0.4547


 156.6194, 0.3130,
0.4045

 26.7177, 0.3073,
0.4736


194.1513, 0.3133,
0.3989

 17.3613, 0.3038,
0.4989

237.2459, 0.3134,
0.3941

 10.4924, 0.2977,
0.5343

286.2875, 0.3135,
0.3899

 5.7266, 0.2858,
0.5863


341.6605, 0.3136,

 2.6796, 0.2790,


0.3861


0.7157


403.7494, 0.3137,
0.3829


 0.9668, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.5557, 0.3117,
0.4284


 73.5557, 0.3117,
0.4284


 70.5896, 0.3108,
0.4635


 77.1102, 0.3123,
0.3952


 68.1714, 0.3095,
0.4988

 81.2726, 0.3126,
0.3649

 66.2702, 0.3079,
0.5321

 86.0728, 0.3127,
0.3379

 64.8481, 0.3060,
0.5605

 91.3988, 0.3133,
0.3156

■ 63.8623, 0.3040,
0.5818

■ 63.2618, 0.3021,
0.5946

■ 63.0453, 0.3012,
0.5990

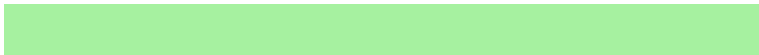
Harmonies

Analogous

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



73.5557, 0.3696, 0.4373



73.5557, 0.3117, 0.4284



73.5557, 0.2569, 0.3825

Triad

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



73.5557, 0.3117, 0.4284



73.5557, 0.2167, 0.2413



73.5557, 0.4147, 0.3243

Complementary

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



73.5557, 0.3117, 0.4284



49.1544, 0.3116, 0.2442

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.



73.5557, 0.3658, 0.2820



73.5557, 0.3117, 0.4284



73.5557, 0.2509, 0.2357

Square

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



73.5557, 0.3117, 0.4284



73.5557, 0.2057, 0.2698



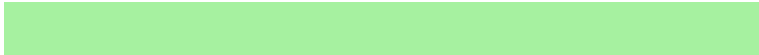
73.5557, 0.3044, 0.2506



73.5557, 0.4326, 0.3707

Rectangle

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



73.5557, 0.3117, 0.4284



73.5557, 0.2294, 0.3413



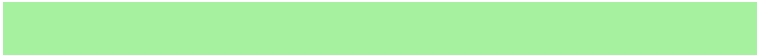
73.5557, 0.3044, 0.2506



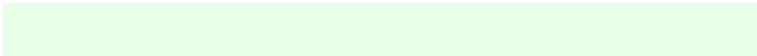
73.5557, 0.4012, 0.3094

Sweetspot

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



73.5588, 0.3117, 0.4284



94.2576, 0.3127, 0.3549



80.2349, 0.3656, 0.4067



20.0151, 0.3126, 0.3588



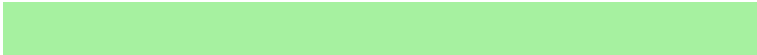
0.0000, 0.0000, 0.0000



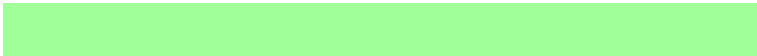
21.4041, 0.3127, 0.3290

Same Dimension

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



73.5588, 0.3117, 0.4284



81.3479, 0.3111, 0.4511



74.2739, 0.2896, 0.3864



17.7121, 0.3127, 0.3533



34.2048, 0.3016, 0.5987



2.8648, 0.3057, 0.5955

Inverse Universe

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



49.1544, 0.3116, 0.2442



49.8627, 0.3111, 0.2282



48.3552, 0.3459, 0.2781



15.9686, 0.3126, 0.3057



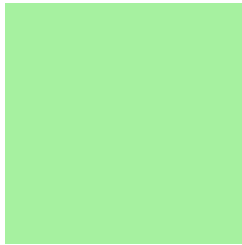
11.9957, 0.3025, 0.1440



1.0155, 0.3050, 0.1454

Previews

White Background



This preview shows how the Yxy color 73.5557, 0.3117, 0.4284 looks on a white background.

Color Contrast Check

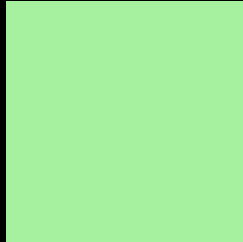
Large Text (above 18pt) WCAG AA × Fail

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 73.5557, 0.3117, 0.4284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

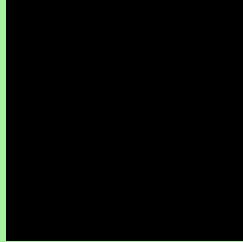
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.5557, 0.3117, 0.4284

Background



This preview shows how black text looks on a background with the Yxy color 73.5557, 0.3117, 0.4284.

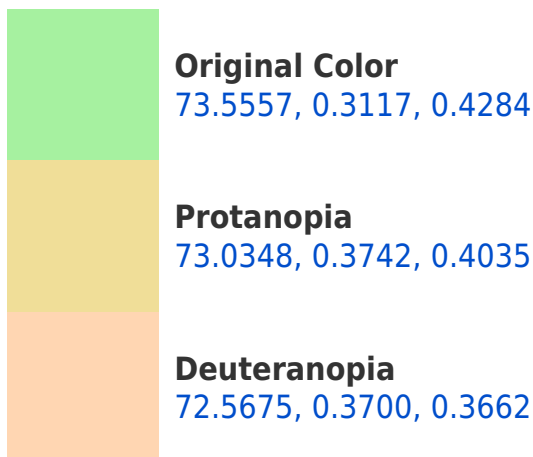


This preview shows how white text looks on a background with the Yxy color 73.5557, 0.3117, 0.4284.

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

73.3160, 0.2718, 0.3088

Trichromacy



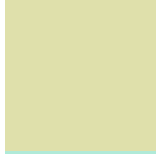
Original Color

73.5557, 0.3117, 0.4284



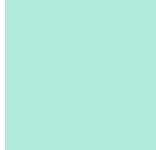
Protanomaly

72.5513, 0.3493, 0.4129



Deuteranomaly

71.9396, 0.3476, 0.3880



Tritanomaly

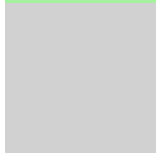
73.0336, 0.2862, 0.3500

Monochromacy



Original Color

73.5557, 0.3117, 0.4284



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

66.8119, 0.3125, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5557, 0.3117, 0.4284 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(166, 241, 160)` looks like.

```
.text, #text, p{  
    color:rgb(166, 241, 160)  
}
```

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(166, 241, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 241, 160) }
```

Border

The CSS property to change the border of an element to Yxy 73.5557, 0.3117, 0.4284 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(166, 241, 160) }
```

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

```
.border{ border-color:rgb(166, 241, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 241, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 241, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 241, 160);  
box-shadow:4px 4px 4px 4px rgb(166, 241,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5557, 0.3117, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 241, 160) }
```

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

```
.background{ background-color: rgb(166,  
241, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor