

Converting Colors

$Yxy(75.5143, 0.2924, 0.3850)$

Have a look what the booklet for
Yxy(75.5143, 0.2924, 0.3850)
contains.

Yxy(75.5514, 0.2924, 0.3853)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.5514, 0.2924, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	A6F2C3
RGB	166, 242, 195
RGB Percent	65%, 95%, 76%
CMY	0.3489, 0.0510, 0.2352
CMYK	0.31, 0.00, 0.19, 0.05
HSL	143°, 74%, 80%
HSV	143°, 31%, 95%
XYZ	57.3351, 75.5514, 63.1981
YIQ	213.9180, -30.2090, -30.7290

Conversions

Conversions Part 2

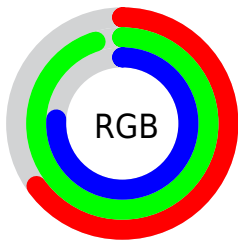
Format	Color
RYB	166, 221, 242
Decimal	10941123
CIELab	89.65, -32.92, 15.32
CIElCh	90, 36.311, 155.037
Yxy	75.5514, 0.2924, 0.3853
Android (android.graphics.Color)	4289131203 (0xFFA6F2C3)
YUV	213.9180, -9.3266, -42.0241
Hunter-Lab	86.9203, -34.3668, 17.7356

Details

The Yxy color **75.5514, 0.2924, 0.3853** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.9683, 0.3407, 0.2789**, and the grayscale version is **67.2737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2363, 0.2951, 0.3320**, and **40.4856, 0.2876, 0.4008** is the 20% darker color. If you saturate the color by 10%, you get **72.5363, 0.2869, 0.4071**, and if you desaturate by 10%, it is **79.1327, 0.2985, 0.3653**.

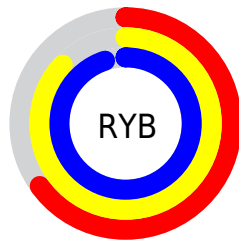
Distribution



Red (65%)

Green (95%)

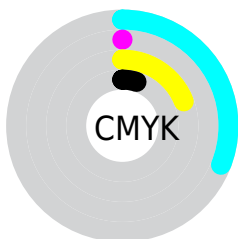
Blue (76%)



Red (65%)

Yellow (87%)

Blue (95%)

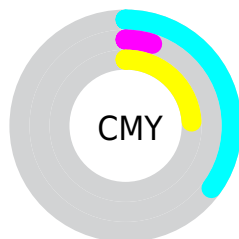


Cyan (31%)

Magenta (0%)

Yellow (19%)

Black (5%)



Cyan (35%)


Magenta (5%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5514, 0.2924, 0.3853 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 75.5514, 0.2924, 0.3853 by changing the saturation by 10% instead.


 75.5514, 0.2924,
0.3853


 75.5514, 0.2924,
0.3853


479.8107, 0.3023,
0.3584

 56.0647, 0.2900,
0.3917

 127.0926, 0.2959,
0.3758

 40.2548, 0.2871,
0.3997


 159.9159, 0.2972,
0.3721

 27.7373, 0.2832,
0.4100


197.9535, 0.2984,
0.3690

 18.1277, 0.2779,
0.4238

241.5899, 0.2994,
0.3663

 11.0417, 0.2705,
0.4432

291.2094, 0.3002,
0.3639

 6.0949, 0.2592,
0.4723


347.1965, 0.3010,

 2.9029, 0.2400,


0.3619


409.9354, 0.3017,
0.3600


0.5204


 1.0812, 0.1530,
0.7807


 0.0000, 0.0000,
0.0000


 75.5514, 0.2924,
0.3853


 75.5514, 0.2924,
0.3853


 72.5363, 0.2869,
0.4071


 79.1327, 0.2985,
0.3653


 70.0484, 0.2825,
0.4304

 83.2983, 0.3051,
0.3472

 68.0583, 0.2794,
0.4546

 88.0768, 0.3118,
0.3311

 66.5299, 0.2779,
0.4789

 91.9754, 0.3134,
0.3166

■ 65.4217, 0.2783,
0.5025

■ 91.9826, 0.3133,
0.3165

■ 64.6844, 0.2806,
0.5243

■ 64.2808, 0.2836,
0.5411

Harmonies

Analogous

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



75.5514, 0.3352, 0.4059



75.5514, 0.2924, 0.3853



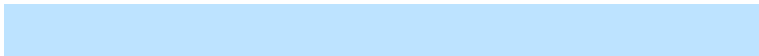
75.5514, 0.2567, 0.3462

Triad

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



75.5514, 0.2924, 0.3853



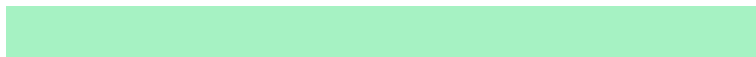
75.5514, 0.2524, 0.2601



75.5514, 0.3955, 0.3442

Complementary

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



75.5514, 0.2924, 0.3853



50.9683, 0.3407, 0.2789

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.



75.5514, 0.3703, 0.3098



75.5514, 0.2924, 0.3853



75.5514, 0.2860, 0.2631

Square

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



75.5514, 0.2924, 0.3853



75.5514, 0.2350, 0.2740



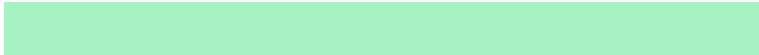
75.5514, 0.3292, 0.2810



75.5514, 0.3963, 0.3776

Rectangle

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



75.5514, 0.2924, 0.3853



75.5514, 0.2412, 0.3177



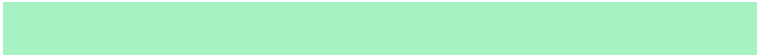
75.5514, 0.3292, 0.2810



75.5514, 0.3896, 0.3325

Sweetspot

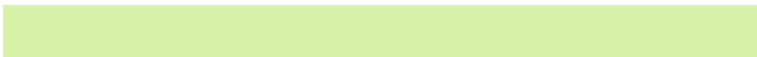
The Sweet Spot groups the original color and five complimentary colors.



75.5545, 0.2924, 0.3853



95.0234, 0.3067, 0.3432



80.5753, 0.3403, 0.4129



20.1782, 0.3057, 0.3457



0.0000, 0.0000, 0.0000



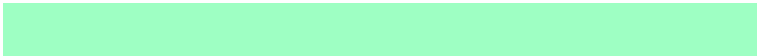
21.4041, 0.3127, 0.3290

Same Dimension

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



75.5545, 0.2924, 0.3853



82.7423, 0.2886, 0.3998



77.4325, 0.2728, 0.3405



17.7562, 0.3064, 0.3440



34.5577, 0.2828, 0.5380



2.8937, 0.2754, 0.5115

Inverse Universe

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



50.9683, 0.3407, 0.2789



50.8117, 0.3488, 0.2680



49.3043, 0.3748, 0.3180



15.9232, 0.3196, 0.3145



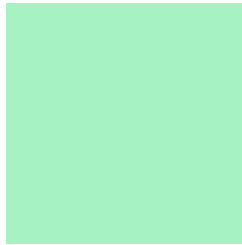
11.3460, 0.4464, 0.2233



0.9632, 0.4254, 0.2117

Previews

White Background



This preview shows how the Yxy color 75.5514, 0.2924, 0.3853 looks on a white background.

Color Contrast Check

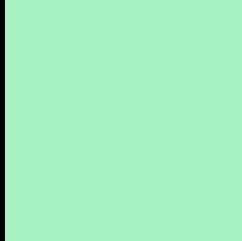
Large Text (above 18pt) WCAG AA × Fail

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 75.5514, 0.2924, 0.3853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

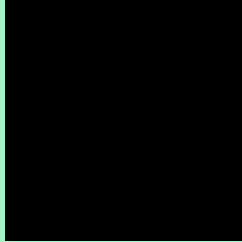
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

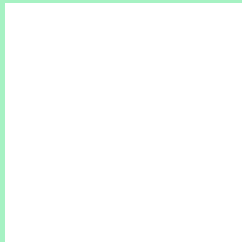
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.5514, 0.2924, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 75.5514, 0.2924, 0.3853.

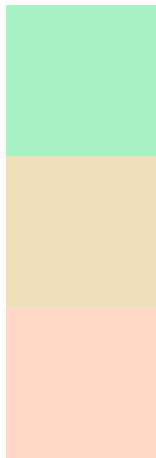


This preview shows how white text looks on a background with the Yxy color 75.5514, 0.2924, 0.3853.

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

75.5514, 0.2924, 0.3853

Protanopia

74.8610, 0.3479, 0.3697

Deuteranopia

74.5419, 0.3532, 0.3455



Tritanopia

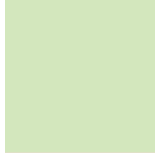
75.4025, 0.2675, 0.3078

Trichromacy



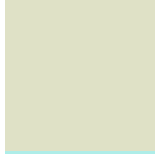
Original Color

75.5514, 0.2924, 0.3853



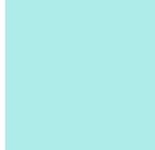
Protanomaly

74.6748, 0.3256, 0.3763



Deuteranomaly

73.6156, 0.3291, 0.3587



Tritanomaly

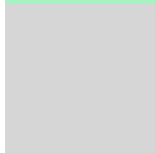
75.3932, 0.2765, 0.3346

Monochromacy



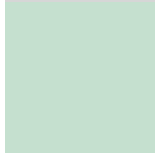
Original Color

75.5514, 0.2924, 0.3853



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.6866, 0.3049, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5514, 0.2924, 0.3853 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, 242, 195)` looks like.

```
.text, #text, p{  
    color:rgb(166, 242, 195)  
}
```

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, 242, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 242, 195) }
```

Border

The CSS property to change the border of an element to Yxy 75.5514, 0.2924, 0.3853 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, 242, 195) }
```

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

```
.border{ border-color:rgb(166, 242, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 242, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 242, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 242, 195);  
box-shadow:4px 4px 4px 4px rgb(166, 242,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5514, 0.2924, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 242, 195) }
```

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

```
.background{ background-color: rgb(166,  
242, 195) }
```

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