

Converting Colors

$Yxy(73.4957, 0.2958, 0.4041)$

Have a look what the booklet for
Yxy(73.4957, 0.2958, 0.4041)
contains.

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Color

Yxy(73.4750, 0.2959, 0.4042)

Conversions

Conversions Part 1

Format	Color
Hex	9EF1B4
RGB	158, 241, 180
RGB Percent	62%, 95%, 71%
CMY	0.3805, 0.0549, 0.2942
CMYK	0.34, 0.00, 0.25, 0.05
HSL	136°, 75%, 78%
HSV	136°, 34%, 95%
XYZ	53.7884, 73.4750, 54.5155
YIQ	209.2290, -29.8870, -36.5670

Conversions

Conversions Part 2

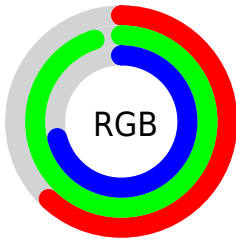
Format	Color
RYB	158, 224, 241
Decimal	10416564
CIELab	88.67, -37.61, 21.66
CIELCh	89, 43.398, 150.059
Yxy	73.4750, 0.2959, 0.4042
Android (android.graphics.Color)	4288606644 (0xFF9EF1B4)
YUV	209.2290, -14.4099, -44.9278
Hunter-Lab	85.7176, -37.9958, 22.2945

Details

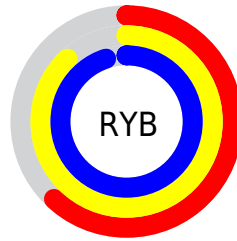
The Yxy color **73.4750, 0.2959, 0.4042** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.2625, 0.3355, 0.2642**, and the grayscale version is **64.0253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0232, 0.2991, 0.3487**, and **38.6969, 0.2906, 0.4233** is the 20% darker color. If you saturate the color by 10%, you get **70.5931, 0.2919, 0.4309**, and if you desaturate by 10%, it is **76.9345, 0.3005, 0.3795**.

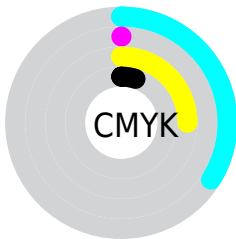
Distribution



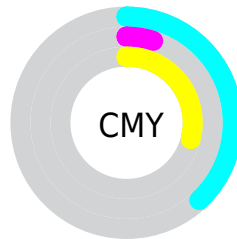
- Red (62%)
- Green (95%)
- Blue (71%)



- Red (62%)
- Yellow (88%)
- Blue (95%)



- Cyan (34%)
- Magenta (0%)
- Yellow (25%)
- Black (5%)




- Cyan (38%)
- Magenta (5%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4750, 0.2959, 0.4042 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 73.4750, 0.2959, 0.4042 by changing the saturation by 10% instead.


 73.4750, 0.2959,
0.4042


 73.4750, 0.2959,
0.4042


472.6594, 0.3046,
0.3677

 54.3645, 0.2937,
0.4130


 124.1513, 0.2991,
0.3912

 38.8931, 0.2908,
0.4240


 156.4858, 0.3003,
0.3862

 26.6766, 0.2870,
0.4383


193.9972, 0.3013,
0.3820

 17.3305, 0.2816,
0.4577

237.0697, 0.3021,
0.3784

 10.4704, 0.2737,
0.4850

286.0878, 0.3029,
0.3752

 5.7119, 0.2607,
0.5264

341.4358, 0.3035,

 2.6707, 0.2380,

0.3724

0.5973

403.4983, 0.3041,
0.3699

0.9623, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.4750, 0.2959,
0.4042

73.4750, 0.2959,
0.4042

70.5931, 0.2919,
0.4309

76.9345, 0.3005,
0.3795

68.2480, 0.2887,
0.4590

80.9915, 0.3054,
0.3571

66.4080, 0.2868,
0.4873

85.6762, 0.3105,
0.3371

65.0341, 0.2863,
0.5146

91.0142, 0.3155,
0.3195

■ 64.0815, 0.2874,
0.5395

■ 91.3970, 0.3133,
0.3156

■ 63.4958, 0.2900,
0.5604

■ 63.2857, 0.2917,
0.5701

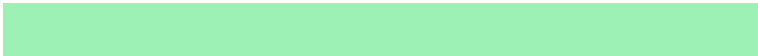
Harmonies

Analogous

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



73.4750, 0.3473, 0.4237



73.4750, 0.2959, 0.4042



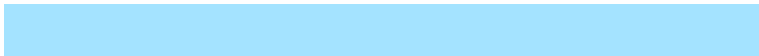
73.4750, 0.2514, 0.3582

Triad

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



73.4750, 0.2959, 0.4042



73.4750, 0.2360, 0.2482



73.4750, 0.4097, 0.3391

Complementary

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



73.4750, 0.2959, 0.4042



48.2625, 0.3355, 0.2642

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.



73.4750, 0.3748, 0.2994



73.4750, 0.2959, 0.4042



73.4750, 0.2727, 0.2491

Square

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



73.4750, 0.2959, 0.4042



73.4750, 0.2192, 0.2673



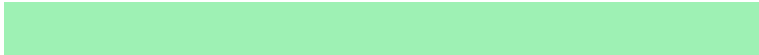
73.4750, 0.3233, 0.2675



73.4750, 0.4153, 0.3796

Rectangle

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



73.4750, 0.2959, 0.4042



73.4750, 0.2310, 0.3229



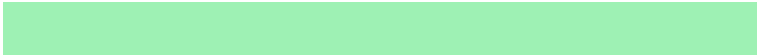
73.4750, 0.3233, 0.2675



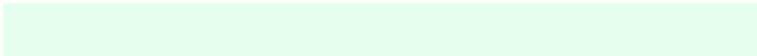
73.4750, 0.4009, 0.3254

Sweetspot

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



73.4781, 0.2959, 0.4042



94.3315, 0.3077, 0.3479



80.6398, 0.3497, 0.4195



20.0330, 0.3070, 0.3508



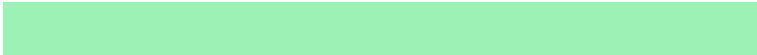
0.0000, 0.0000, 0.0000



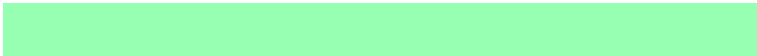
21.4041, 0.3127, 0.3290

Same Dimension

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



73.4781, 0.2959, 0.4042



81.2675, 0.2931, 0.4218



75.3642, 0.2744, 0.3535



17.7252, 0.3079, 0.3468



34.3339, 0.2910, 0.5674



2.8722, 0.2839, 0.5421

Inverse Universe

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



48.2625, 0.3355, 0.2642



48.7788, 0.3413, 0.2518



46.3917, 0.3737, 0.3063



15.9557, 0.3178, 0.3118



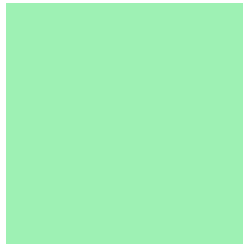
11.8887, 0.4016, 0.1986



1.0054, 0.3886, 0.1914

Previews

White Background



This preview shows how the Yxy color 73.4750, 0.2959, 0.4042 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 73.4750, 0.2959, 0.4042 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 73.4750, 0.2959, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 73.4750, 0.2959, 0.4042.

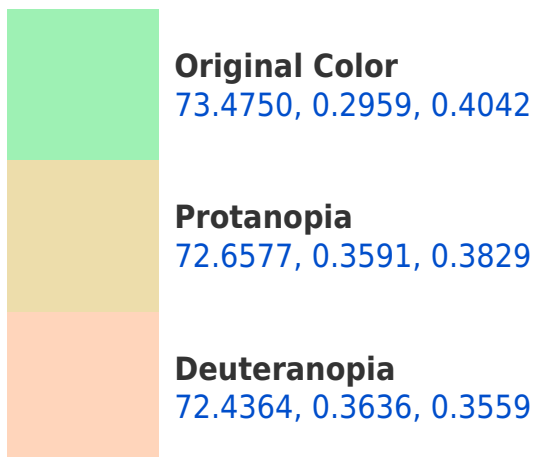


This preview shows how white text looks on a background with the Yxy color 73.4750, 0.2959, 0.4042.

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

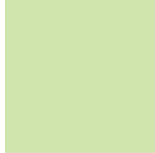
73.3860, 0.2655, 0.3086

Trichromacy



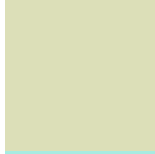
Original Color

73.4750, 0.2959, 0.4042



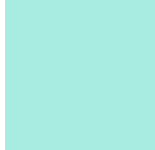
Protanomaly

71.9527, 0.3336, 0.3910



Deuteranomaly

71.4517, 0.3367, 0.3726



Tritanomaly

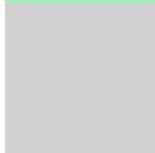
73.0684, 0.2761, 0.3406

Monochromacy



Original Color

73.4750, 0.2959, 0.4042



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

66.7373, 0.3058, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4750, 0.2959, 0.4042 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, 241, 180)` looks like.

```
.text, #text, p{  
    color:rgb(158, 241, 180)  
}
```

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, 241, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 241, 180) }
```

Border

The CSS property to change the border of an element to Yxy 73.4750, 0.2959, 0.4042 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, 241, 180) }
```

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

```
.border{ border-color:rgb(158, 241, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 241, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 241, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 241, 180);  
box-shadow:4px 4px 4px 4px rgb(158, 241,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4750, 0.2959, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 241, 180) }
```

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

```
.background{ background-color: rgb(158,  
241, 180) }
```

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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