

Converting Colors

$Yxy(74.8573, 0.3012, 0.4054)$

Have a look what the booklet for
Yxy(74.8573, 0.3012, 0.4054)
contains.

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Color

Yxy(74.8659, 0.3012, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	A6F2B3
RGB	166, 242, 179
RGB Percent	65%, 95%, 70%
CMY	0.3491, 0.0509, 0.2982
CMYK	0.31, 0.00, 0.26, 0.05
HSL	130°, 75%, 80%
HSV	130°, 31%, 95%
XYZ	55.6094, 74.8659, 54.1508
YIQ	212.0940, -25.0730, -35.7050

Conversions

Conversions Part 2

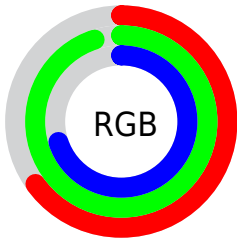
Format	Color
RYB	166, 231, 242
Decimal	10941107
CIELab	89.33, -35.82, 23.15
CIElCh	89, 42.647, 147.130
Yxy	74.8659, 0.3012, 0.4055
Android (android.graphics.Color)	4289131187 (0xFFA6F2B3)
YUV	212.0940, -16.3153, -40.4244
Hunter-Lab	86.5251, -36.6975, 23.4615

Details

The Yxy color **74.8659, 0.3012, 0.4055** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.8040, 0.3270, 0.2630**, and the grayscale version is **66.0249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2061, 0.3044, 0.3495**, and **39.5838, 0.2970, 0.4248** is the 20% darker color. If you saturate the color by 10%, you get **71.7418, 0.2979, 0.4351**, and if you desaturate by 10%, it is **78.6065, 0.3048, 0.3782**.

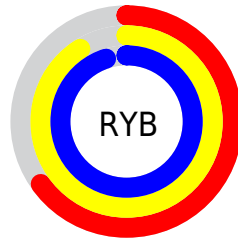
Distribution



Red (65%)

Green (95%)

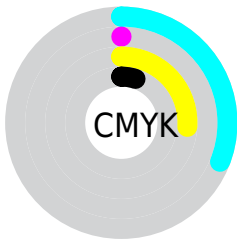
Blue (70%)



Red (65%)

Yellow (91%)

Blue (95%)

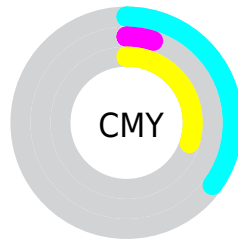


Cyan (31%)

Magenta (0%)

Yellow (26%)

Black (5%)



Cyan (35%)


Magenta (5%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8659, 0.3012, 0.4055 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 74.8659, 0.3012, 0.4055 by changing the saturation by 10% instead.

 74.8659, 0.3012,
0.4055


 74.8659, 0.3012,
0.4055

477.4565, 0.3074,
0.3685

 55.5030, 0.2995,
0.4143


 126.1225, 0.3035,
0.3924

 39.8046, 0.2974,
0.4254

 158.7851, 0.3044,
0.3873

 27.3862, 0.2944,
0.4398


196.6496, 0.3051,
0.3830

 17.8635, 0.2901,
0.4591

240.1006, 0.3057,
0.3793

 10.8520, 0.2837,
0.4863

289.5224, 0.3062,
0.3761

 5.9674, 0.2729,
0.5270


345.2994, 0.3067,

 2.8253, 0.2535,


0.3733


0.5963

407.8160, 0.3071,
0.3708

 1.0412, 0.0934,
0.9066


 0.0000, 0.0000,
0.0000

 74.8659, 0.3012,
0.4055


 74.8659, 0.3012,
0.4055


 71.7418, 0.2979,
0.4351

 78.6065, 0.3048,
0.3782


 69.1920, 0.2952,
0.4662

 82.9846, 0.3085,
0.3536

 67.1838, 0.2934,
0.4974

 88.0313, 0.3122,
0.3319

 65.6773, 0.2926,
0.5270

 91.9903, 0.3133,
0.3166

■ 64.6269, 0.2930,
0.5530

■ 63.9786, 0.2945,
0.5737

■ 63.6728, 0.2963,
0.5865

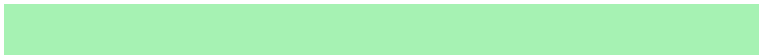
Harmonies

Analogous

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



74.8659, 0.3513, 0.4215



74.8659, 0.3012, 0.4055



74.8659, 0.2564, 0.3626

Triad

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



74.8659, 0.3012, 0.4055



74.8659, 0.2351, 0.2509



74.8659, 0.4052, 0.3351

Complementary

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



74.8659, 0.3012, 0.4055



51.8040, 0.3270, 0.2630

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.



74.8659, 0.3689, 0.2966



74.8659, 0.3012, 0.4055



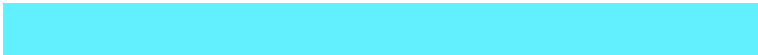
74.8659, 0.2693, 0.2499

Square

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



74.8659, 0.3012, 0.4055



74.8659, 0.2207, 0.2717



74.8659, 0.3180, 0.2664



74.8659, 0.4138, 0.3750

Rectangle

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



74.8659, 0.3012, 0.4055



74.8659, 0.2352, 0.3281



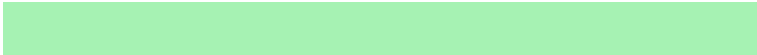
74.8659, 0.3180, 0.2664



74.8659, 0.3958, 0.3217

Sweetspot

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



74.8690, 0.3012, 0.4055



94.7386, 0.3094, 0.3482



82.9767, 0.3511, 0.4100



20.1085, 0.3089, 0.3515



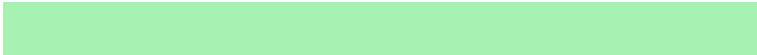
0.0000, 0.0000, 0.0000



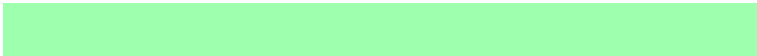
21.4041, 0.3127, 0.3290

Same Dimension

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



74.8690, 0.3012, 0.4055



81.8808, 0.2990, 0.4251



76.6080, 0.2807, 0.3586



17.7005, 0.3092, 0.3492



34.2159, 0.2957, 0.5845



2.8591, 0.2897, 0.5628

Inverse Universe

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



51.8040, 0.3270, 0.2630



51.9472, 0.3308, 0.2491



49.9215, 0.3605, 0.3015



15.9823, 0.3164, 0.3096



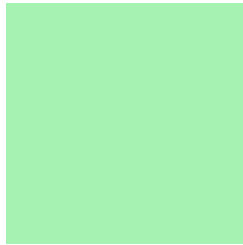
12.4158, 0.3694, 0.1809



1.0450, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 74.8659, 0.3012, 0.4055 looks on a white background.

Color Contrast Check

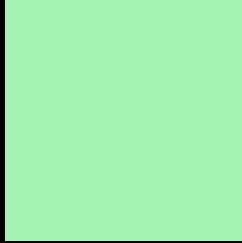
Large Text (above 18pt) WCAG AA × Fail

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 74.8659, 0.3012, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

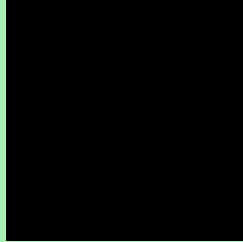
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8659, 0.3012, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 74.8659, 0.3012, 0.4055.



This preview shows how white text looks on a background with the Yxy color 74.8659, 0.3012, 0.4055.

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

74.8659, 0.3012, 0.4055

Protanopia

74.0284, 0.3607, 0.3857

Deuteranopia

74.0894, 0.3606, 0.3558



Tritanopia

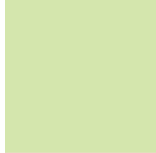
74.9462, 0.2695, 0.3089

Trichromacy



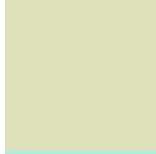
Original Color

74.8659, 0.3012, 0.4055



Protanomaly

73.6078, 0.3368, 0.3936



Deuteranomaly

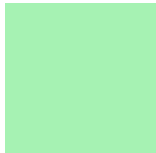
73.0836, 0.3372, 0.3722



Tritanomaly

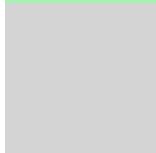
74.5411, 0.2808, 0.3416

Monochromacy



Original Color

74.8659, 0.3012, 0.4055



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.5476, 0.3080, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8659, 0.3012, 0.4055 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(166, 242, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 242, 179) }
```

Border

The CSS property to change the border of an element to Yxy 74.8659, 0.3012, 0.4055 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, 179) }
```

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

```
.border{ border-color:rgb(166, 242, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 242, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 242, 179);  
box-shadow:4px 4px 4px 4px rgb(166, 242,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8659, 0.3012, 0.4055 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, 179) }
```

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

```
.background{ background-color: rgb(166,  
242, 179) }
```

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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