

Converting Colors

$Yxy(72.5413, 0.2943, 0.3847)$

Have a look what the booklet for
Yxy(72.5413, 0.2943, 0.3847)
contains.

Yxy(72.4370, 0.2944, 0.3849)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.4370, 0.2944, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	A6EDBF
RGB	166, 237, 191
RGB Percent	65%, 93%, 75%
CMY	0.3492, 0.0705, 0.2510
CMYK	0.30, 0.00, 0.19, 0.07
HSL	141°, 66%, 79%
HSV	141°, 30%, 93%
XYZ	55.4052, 72.4370, 60.3548
YIQ	210.5270, -27.5500, -29.3580

Conversions

Conversions Part 2

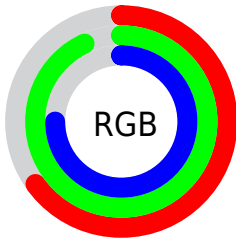
Format	Color
RYB	166, 219, 237
Decimal	10939839
CIELab	88.18, -31.37, 15.33
CIELCh	88, 34.913, 153.959
Yxy	72.4370, 0.2944, 0.3849
Android (android.graphics.Color)	4289129919 (0xFFA6EDBF)
YUV	210.5270, -9.6268, -39.0502
Hunter-Lab	85.1099, -32.7418, 17.5321

Details

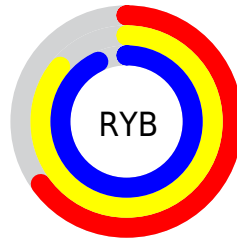
The Yxy color **72.4370, 0.2944, 0.3849** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.0094, 0.3373, 0.2791**, and the grayscale version is **64.8855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7650, 0.2972, 0.3371**, and **38.2986, 0.2899, 0.4005** is the 20% darker color. If you saturate the color by 10%, you get **69.4708, 0.2891, 0.4075**, and if you desaturate by 10%, it is **75.9519, 0.3003, 0.3642**.

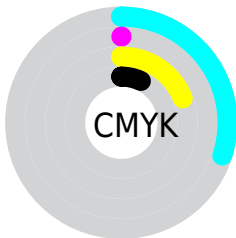
Distribution



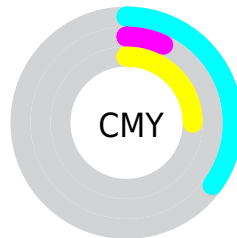
- Red (65%)
- Green (93%)
- Blue (75%)



- Red (65%)
- Yellow (86%)
- Blue (93%)



- Cyan (30%)
- Magenta (0%)
- Yellow (19%)
- Black (7%)





- Cyan (35%)
- Magenta (7%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4370, 0.2944, 0.3849 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 72.4370, 0.2944, 0.3849 by changing the saturation by 10% instead.


 72.4370, 0.2944,
0.3849


 72.4370, 0.2944,
0.3849


469.0612, 0.3034,
0.3580

 53.5157, 0.2922,
0.3913


 122.6776, 0.2976,
0.3753

 38.2146, 0.2894,
0.3994


 154.7658, 0.2989,
0.3717

 26.1493, 0.2858,
0.4099


192.0117, 0.2999,
0.3686

 16.9354, 0.2809,
0.4240

234.7997, 0.3008,
0.3659

 10.1884, 0.2737,
0.4439

283.5143, 0.3016,
0.3635

 5.5241, 0.2627,
0.4742


338.5398, 0.3023,

 2.5579, 0.2433,


0.3614


0.5251


400.2607, 0.3029,
0.3596


 0.9056, 0.0948,
0.9052


 0.0000, 0.0000,
0.0000


 72.4370, 0.2944,
0.3849


 72.4370, 0.2944,
0.3849


 69.4708, 0.2891,
0.4075


 75.9519, 0.3003,
0.3642


 67.0161, 0.2848,
0.4317

 80.0326, 0.3064,
0.3456

 65.0453, 0.2817,
0.4569

 84.7064, 0.3127,
0.3290

 63.5241, 0.2801,
0.4822

 88.8897, 0.3151,
0.3142

■ 62.4137, 0.2804,
0.5067

■ 89.0574, 0.3135,
0.3117

■ 61.6682, 0.2824,
0.5292

■ 61.2116, 0.2858,
0.5488

■ 61.2111, 0.2858,
0.5489

Harmonies

Analogous

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



72.4370, 0.3362, 0.4041



72.4370, 0.2944, 0.3849



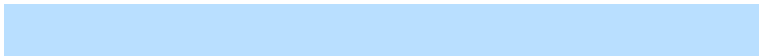
72.4370, 0.2591, 0.3473

Triad

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



72.4370, 0.2944, 0.3849



72.4370, 0.2529, 0.2619



72.4370, 0.3929, 0.3427

Complementary

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



72.4370, 0.2944, 0.3849



50.0094, 0.3373, 0.2791

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.



72.4370, 0.3676, 0.3091



72.4370, 0.2944, 0.3849



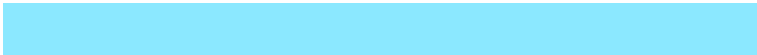
72.4370, 0.2853, 0.2642

Square

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



72.4370, 0.2944, 0.3849



72.4370, 0.2365, 0.2762



72.4370, 0.3273, 0.2812



72.4370, 0.3947, 0.3755

Rectangle

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



72.4370, 0.2944, 0.3849



72.4370, 0.2435, 0.3195



72.4370, 0.3273, 0.2812



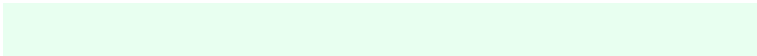
72.4370, 0.3869, 0.3313

Sweetspot

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



72.4400, 0.2944, 0.3849



94.9840, 0.3070, 0.3439



77.3463, 0.3400, 0.4086



20.1686, 0.3061, 0.3465



0.0000, 0.0000, 0.0000



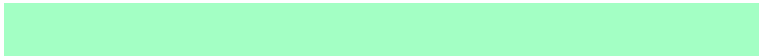
21.4041, 0.3127, 0.3290

Same Dimension

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



72.4400, 0.2944, 0.3849



83.2938, 0.2911, 0.3986



74.1886, 0.2750, 0.3413



16.9499, 0.3068, 0.3446



33.4365, 0.2850, 0.5459



2.6433, 0.2772, 0.5178

Inverse Universe

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



50.0094, 0.3373, 0.2791



52.8330, 0.3440, 0.2687



48.4170, 0.3699, 0.3172



15.2183, 0.3192, 0.3139



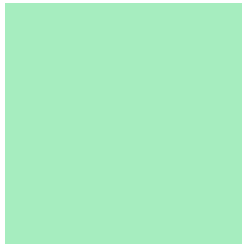
11.1189, 0.4347, 0.2169



0.8912, 0.4149, 0.2059

Previews

White Background



This preview shows how the Yxy color 72.4370, 0.2944, 0.3849 looks on a white background.

Color Contrast Check

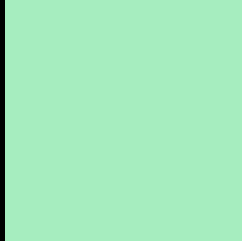
Large Text (above 18pt) WCAG AA × Fail

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 72.4370, 0.2944, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

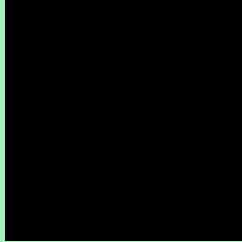
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.4370, 0.2944, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 72.4370, 0.2944, 0.3849.

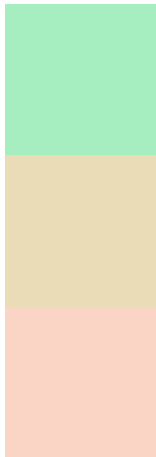


This preview shows how white text looks on a background with the Yxy color 72.4370, 0.2944, 0.3849.

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

72.4370, 0.2944, 0.3849

Protanopia

71.9289, 0.3478, 0.3693

Deuteranopia

71.3965, 0.3532, 0.3458



Tritanopia

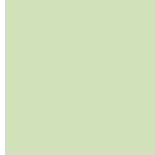
72.1630, 0.2689, 0.3075

Trichromacy



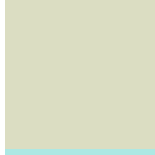
Original Color

72.4370, 0.2944, 0.3849



Protanomaly

71.4932, 0.3268, 0.3747



Deuteranomaly

70.6680, 0.3294, 0.3592



Tritanomaly

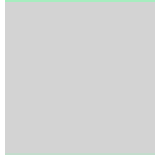
72.1435, 0.2782, 0.3347

Monochromacy



Original Color

72.4370, 0.2944, 0.3849



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.1481, 0.3055, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4370, 0.2944, 0.3849 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, 237, 191)` looks like.

```
.text, #text, p{  
    color:rgb(166, 237, 191)  
}
```

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, 237, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 237, 191) }
```

Border

The CSS property to change the border of an element to Yxy 72.4370, 0.2944, 0.3849 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, 237, 191) }
```

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

```
.border{ border-color:rgb(166, 237, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 237, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 237, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 237, 191); box-shadow:4px 4px 4px 4px rgb(166, 237, 191) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4370, 0.2944, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 237, 191) }
```

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

```
.background{ background-color: rgb(166,  
237, 191) }
```

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