

Converting Colors

$Yxy(72.9764, 0.2901, 0.3569)$

Have a look what the booklet for
Yxy(72.9764, 0.2901, 0.3569)
contains.

Yxy(72.8459, 0.2902, 0.3572)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.8459, 0.2902, 0.3572)

Conversions

Conversions Part 1

Format	Color
Hex	B1EAD2
RGB	177, 234, 210
RGB Percent	69%, 92%, 82%
CMY	0.3060, 0.0823, 0.1765
CMYK	0.24, 0.00, 0.10, 0.08
HSL	155°, 58%, 81%
HSV	155°, 24%, 92%
XYZ	59.1822, 72.8459, 71.9078
YIQ	214.2210, -26.2680, -19.5480

Conversions

Conversions Part 2

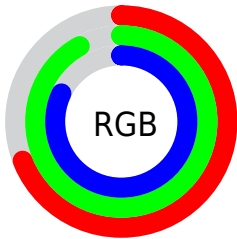
Format	Color
RYB	177, 213, 234
Decimal	11659986
CIELab	88.37, -22.93, 5.79
CIELCh	88, 23.647, 165.834
Yxy	72.8459, 0.2902, 0.3572
Android (android.graphics.Color)	4289850066 (0xFFB1EAD2)
YUV	214.2210, -2.0810, -32.6428
Hunter-Lab	85.3498, -25.5889, 9.7926

Details

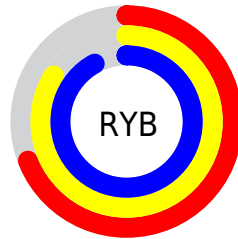
The Yxy color **72.8459, 0.2902, 0.3572** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.1469, 0.3426, 0.3025**, and the grayscale version is **67.4277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **38.4520, 0.2843, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **69.8568, 0.2819, 0.3708**, and if you desaturate by 10%, it is **76.3425, 0.2992, 0.3448**.

Distribution



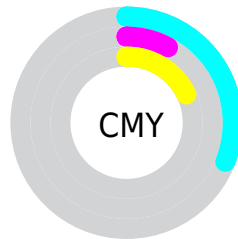
- Red (69%)
- Green (92%)
- Blue (82%)



- Red (69%)
- Yellow (84%)
- Blue (92%)



- Cyan (24%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)




- Cyan (31%)
- Magenta (8%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8459, 0.2902, 0.3572 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 72.8459, 0.2902, 0.3572 by changing the saturation by 10% instead.


 72.8459, 0.2902,
0.3572

 72.8459, 0.2902,
0.3572


470.4806, 0.3007,
0.3439

 53.8500, 0.2878,
0.3603

 123.2584, 0.2939,
0.3525

 38.4817, 0.2847,
0.3642

155.4438, 0.2953,
0.3507

 26.3568, 0.2809,
0.3692


192.7944, 0.2965,
0.3492

 17.0907, 0.2758,
0.3758

235.6948, 0.2976,
0.3478

 10.2992, 0.2687,
0.3850

284.5291, 0.2985,
0.3467

 5.5978, 0.2584,
0.3987

339.6820, 0.2994,

 2.6021, 0.2418,


0.3456


0.4212


401.5376, 0.3001,
0.3447

 0.9277, 0.1734,
0.5004


 0.0000, 0.0000,
0.0000


 72.8459, 0.2902,
0.3572


 72.8459, 0.2902,
0.3572

 69.8568, 0.2819,
0.3708


 76.3425, 0.2992,
0.3448


 67.3414, 0.2747,
0.3855

 80.3603, 0.3085,
0.3335

 65.2762, 0.2688,
0.4012

 84.9238, 0.3181,
0.3235

 63.6316, 0.2646,
0.4174

 86.9769, 0.3172,
0.3141

■ 62.3746, 0.2623,
0.4340

■ 87.3316, 0.3137,
0.3088

■ 61.4669, 0.2621,
0.4506

■ 60.8617, 0.2638,
0.4667

■ 60.6138, 0.2654,
0.4756

Harmonies

Analogous

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



72.8459, 0.3180, 0.3755



72.8459, 0.2902, 0.3572



72.8459, 0.2690, 0.3307

Triad

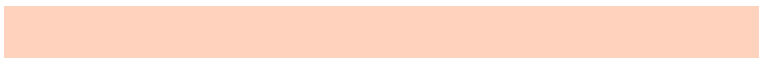
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8459, 0.2902, 0.3572



72.8459, 0.2796, 0.2818



72.8459, 0.3692, 0.3487

Complementary

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



72.8459, 0.2902, 0.3572



53.1469, 0.3426, 0.3025

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.



72.8459, 0.3581, 0.3249



72.8459, 0.2902, 0.3572



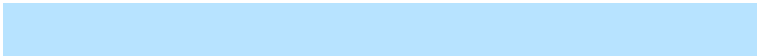
72.8459, 0.3054, 0.2875

Square

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



72.8459, 0.2902, 0.3572



72.8459, 0.2631, 0.2878



72.8459, 0.3343, 0.3030



72.8459, 0.3643, 0.3689

Rectangle

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



72.8459, 0.2902, 0.3572



72.8459, 0.2611, 0.3131



72.8459, 0.3343, 0.3030



72.8459, 0.3672, 0.3409

Sweetspot

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



72.8489, 0.2902, 0.3572



96.2956, 0.3060, 0.3364



74.5387, 0.3263, 0.3946



20.5461, 0.3054, 0.3371



0.0000, 0.0000, 0.0000



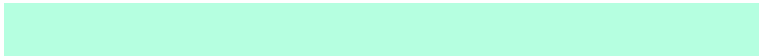
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8489, 0.2902, 0.3572



86.7238, 0.2862, 0.3635



71.9954, 0.2765, 0.3245



17.0084, 0.3037, 0.3391



34.0839, 0.2648, 0.4731



2.6956, 0.2586, 0.4511

Inverse Universe

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



53.1469, 0.3426, 0.3025



59.0913, 0.3503, 0.2971



53.6263, 0.3628, 0.3334



15.1593, 0.3227, 0.3191



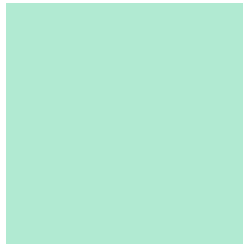
10.3551, 0.5288, 0.2687



0.8320, 0.4932, 0.2491

Previews

White Background



This preview shows how the Yxy color 72.8459, 0.2902, 0.3572 looks on a white background.

Color Contrast Check

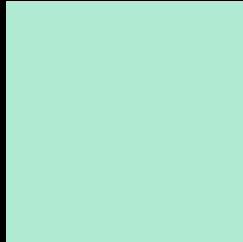
Large Text (above 18pt) WCAG AA × Fail

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 72.8459, 0.2902, 0.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

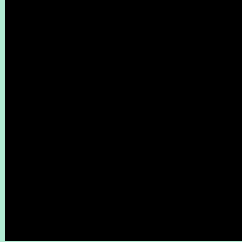
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

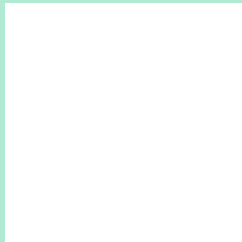
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8459, 0.2902, 0.3572

Background



This preview shows how black text looks on a background with the Yxy color 72.8459, 0.2902, 0.3572.

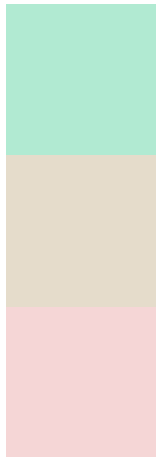


This preview shows how white text looks on a background with the Yxy color 72.8459, 0.2902, 0.3572.

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

72.8459, 0.2902, 0.3572

Protanopia

72.1562, 0.3308, 0.3475

Deuteranopia

72.3607, 0.3358, 0.3291



Tritanopia

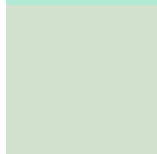
72.9444, 0.2734, 0.3088

Trichromacy



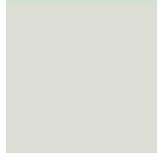
Original Color

72.8459, 0.2902, 0.3572



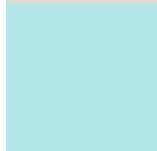
Protanomaly

72.0083, 0.3145, 0.3503



Deuteranomaly

71.7326, 0.3173, 0.3378



Tritanomaly

72.9161, 0.2789, 0.3255

Monochromacy



Original Color

72.8459, 0.2902, 0.3572



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

68.9345, 0.3039, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8459, 0.2902, 0.3572 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(177, 234, 210)` looks like.

```
.text, #text, p{  
    color:rgb(177, 234, 210)  
}
```

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(177, 234, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 234, 210) }
```

Border

The CSS property to change the border of an element to Yxy 72.8459, 0.2902, 0.3572 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(177, 234, 210) }
```

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

```
.border{ border-color:rgb(177, 234, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 234, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 234, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 234, 210);  
box-shadow:4px 4px 4px 4px rgb(177, 234,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8459, 0.2902, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 234, 210) }
```

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

```
.background{ background-color: rgb(177,  
234, 210) }
```

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