

Converting Colors

$Yxy(73.5631, 0.2822, 0.3401)$

Have a look what the booklet for
Yxy(73.5631, 0.2822, 0.3401)
contains.

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Color

Yxy(73.5746, 0.2823, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	B1EAE0
RGB	177, 234, 224
RGB Percent	69%, 92%, 88%
CMY	0.3061, 0.0823, 0.1216
CMYK	0.24, 0.00, 0.04, 0.08
HSL	169°, 58%, 81%
HSV	169°, 24%, 92%
XYZ	60.9989, 73.5746, 81.5047
YIQ	215.8170, -30.7620, -15.1940

Conversions

Conversions Part 2

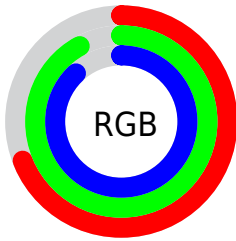
Format	Color
RYB	177, 208, 234
Decimal	11660000
CIELab	88.72, -20.10, -1.04
CIELCh	89, 20.126, 182.967
Yxy	73.5746, 0.2823, 0.3405
Android (android.graphics.Color)	4289850080 (0xFFB1EAE0)
YUV	215.8170, 4.0342, -34.0425
Hunter-Lab	85.7756, -23.1681, 3.7051

Details

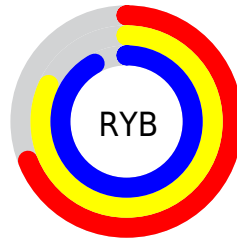
The Yxy color **73.5746, 0.2823, 0.3405** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.5045, 0.3549, 0.3179**, and the grayscale version is **68.5206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **38.9163, 0.2752, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **70.8420, 0.2714, 0.3459**, and if you desaturate by 10%, it is **76.7897, 0.2943, 0.3355**.

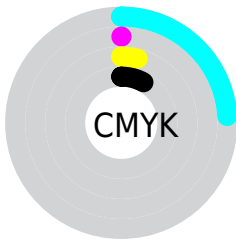
Distribution



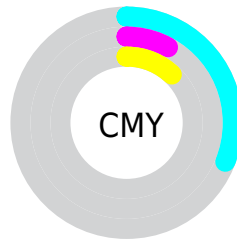
- Red (69%)
- Green (92%)
- Blue (88%)



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



- Cyan (24%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)




- Cyan (31%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.5746, 0.2823, 0.3405 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 73.5746, 0.2823, 0.3405 by changing the saturation by 10% instead.


 73.5746, 0.2823,
0.3405

 73.5746, 0.2823,
0.3405

473.0039, 0.2963,
0.3353

 54.4459, 0.2791,
0.3417


 124.2926, 0.2871,
0.3387

 38.9583, 0.2752,
0.3431

156.6507, 0.2890,
0.3380

 26.7273, 0.2702,
0.3450


194.1874, 0.2907,
0.3374

 17.3685, 0.2638,
0.3473

237.2871, 0.2921,
0.3368

 10.4976, 0.2550,
0.3505

286.3342, 0.2933,
0.3364

 5.7301, 0.2425,
0.3550


341.7131, 0.2944,

 2.6817, 0.2232,

0.3360

403.8082, 0.2954,
0.3356


0.3619

 0.9679, 0.1689,
0.3829


 0.0000, 0.0000,
0.0000

 73.5746, 0.2823,
0.3405

 73.5746, 0.2823,
0.3405


 70.8420, 0.2714,
0.3459


 76.7897, 0.2943,
0.3355


 68.5588, 0.2617,
0.3517


 80.5008, 0.3070,
0.3309

 66.7019, 0.2537,
0.3577


 84.7316, 0.3201,
0.3267

 65.2423, 0.2475,
0.3640


 86.4321, 0.3229,
0.3228

 64.1475, 0.2432,
0.3703


 86.6796, 0.3202,
0.3188


 63.3797, 0.2409,
0.3767

 86.9327, 0.3176,
0.3148

 62.8928, 0.2404,
0.3830

 87.1914, 0.3151,
0.3109

 62.7025, 0.2407,
0.3866

 87.3352, 0.3137,
0.3088

Harmonies

Analogous

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



73.5746, 0.3035, 0.3606



73.5746, 0.2823, 0.3405



73.5746, 0.2694, 0.3178

Triad

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



73.5746, 0.2823, 0.3405



73.5746, 0.2965, 0.2903



73.5746, 0.3599, 0.3565

Complementary

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



73.5746, 0.2823, 0.3405



52.5045, 0.3549, 0.3179

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.



73.5746, 0.3581, 0.3374



73.5746, 0.2823, 0.3405



73.5746, 0.3207, 0.3002

Square

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



73.5746, 0.2823, 0.3405



73.5746, 0.2773, 0.2897



73.5746, 0.3435, 0.3171



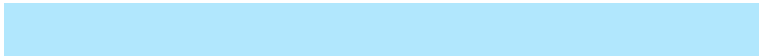
73.5746, 0.3485, 0.3693

Rectangle

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



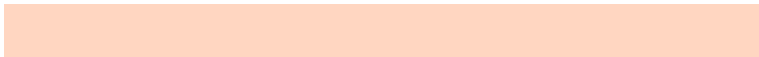
73.5746, 0.2823, 0.3405



73.5746, 0.2669, 0.3047



73.5746, 0.3435, 0.3171



73.5746, 0.3608, 0.3506

Sweetspot

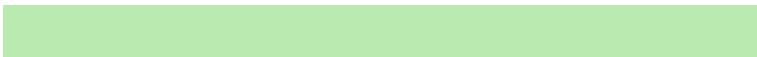
The Sweet Spot groups the original color and five complimentary colors.



73.5776, 0.2823, 0.3405



96.5702, 0.3036, 0.3321



72.6438, 0.3165, 0.3967



20.6098, 0.3028, 0.3323



0.0000, 0.0000, 0.0000



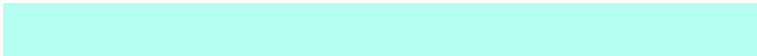
21.4041, 0.3127, 0.3290

Same Dimension

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



73.5776, 0.2823, 0.3405



87.7617, 0.2770, 0.3430



64.3654, 0.2750, 0.3078



17.0739, 0.3005, 0.3332



35.2465, 0.2404, 0.3856



2.7796, 0.2380, 0.3768

Inverse Universe

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



52.5045, 0.3549, 0.3179



58.2246, 0.3660, 0.3156



59.7058, 0.3591, 0.3493



15.0972, 0.3265, 0.3249



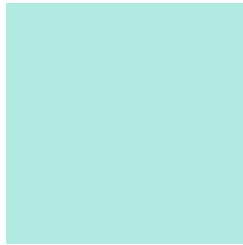
9.9329, 0.6133, 0.3152



0.7925, 0.5774, 0.2954

Previews

White Background



This preview shows how the Yxy color 73.5746, 0.2823, 0.3405 looks on a white background.

Color Contrast Check

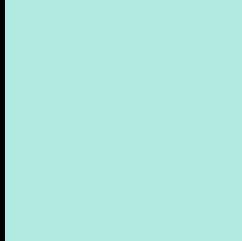
Large Text (above 18pt) WCAG AA × Fail

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 73.5746, 0.2823, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

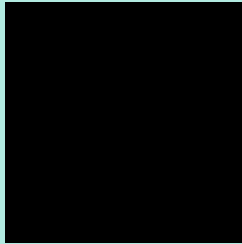
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

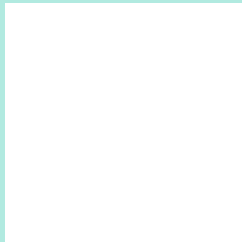
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.5746, 0.2823, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 73.5746, 0.2823, 0.3405.

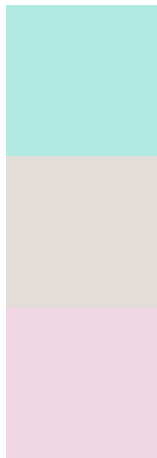


This preview shows how white text looks on a background with the Yxy color 73.5746, 0.2823, 0.3405.

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

73.5746, 0.2823, 0.3405

Protanopia

73.0536, 0.3197, 0.3333

Deuteranopia

72.9031, 0.3228, 0.3156



Tritanopia

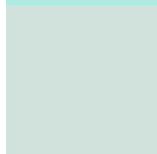
73.3783, 0.2713, 0.3077

Trichromacy



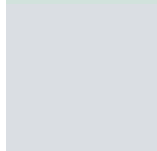
Original Color

73.5746, 0.2823, 0.3405



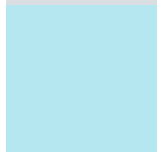
Protanomaly

73.1153, 0.3048, 0.3356



Deuteranomaly

72.6940, 0.3067, 0.3236



Tritanomaly

73.1464, 0.2751, 0.3187

Monochromacy



Original Color

73.5746, 0.2823, 0.3405



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

70.4464, 0.3007, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5746, 0.2823, 0.3405 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(177, 234, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 234, 224) }
```

Border

The CSS property to change the border of an element to Yxy 73.5746, 0.2823, 0.3405 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, 224) }
```

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

```
.border{ border-color:rgb(177, 234, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 234, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 234, 224);  
box-shadow:4px 4px 4px 4px rgb(177, 234,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5746, 0.2823, 0.3405 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, 224) }
```

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

```
.background{ background-color: rgb(177,  
234, 224) }
```

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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