

Converting Colors

$Y_{xy}(73.6095, 0.2710, 0.3322)$

Have a look what the booklet for
Yxy(73.6095, 0.2710, 0.3322)
contains.

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Color

Yxy(73.8734, 0.2709, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	A5ECE9
RGB	165, 236, 233
RGB Percent	65%, 93%, 91%
CMY	0.3533, 0.0744, 0.0863
CMYK	0.30, 0.00, 0.01, 0.07
HSL	177°, 65%, 79%
HSV	177°, 30%, 93%
XYZ	60.2055, 73.8734, 88.1636
YIQ	214.4290, -41.3530, -15.9850

Conversions

Conversions Part 2

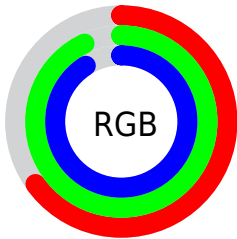
Format	Color
R _Y B	165, 201, 236
Decimal	10874089
CIE Lab	88.86, -22.59, -5.61
CIE LCh	89, 23.274, 193.958
Yxy	73.8734, 0.2709, 0.3324
Android (android.graphics.Color)	4289064169 (0xFFA5ECE9)
YUV	214.4290, 9.1555, -43.3492
Hunter-Lab	85.9496, -25.3773, -0.6525

Details

The Yxy color **73.8734, 0.2709, 0.3324** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.5432, 0.3776, 0.3258**, and the grayscale version is **67.4971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **39.1318, 0.2615, 0.3335** is the 20% darker color. If you saturate the color by 10%, you get **71.5188, 0.2594, 0.3337**, and if you desaturate by 10%, it is **76.7012, 0.2838, 0.3312**.

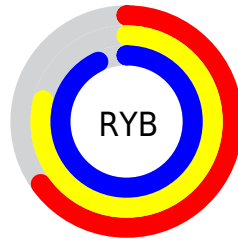
Distribution



Red (65%)

Green (93%)

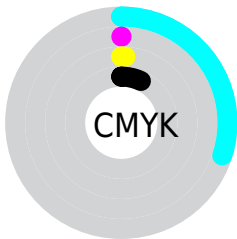
Blue (91%)



Red (65%)

Yellow (79%)

Blue (93%)

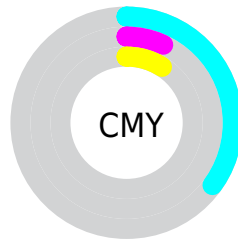


Cyan (30%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (35%)


Magenta (7%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8734, 0.2709, 0.3324 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 73.8734, 0.2709, 0.3324 by changing the saturation by 10% instead.


 73.8734, 0.2709,
0.3324


 73.8734, 0.2709,
0.3324


474.0363, 0.2900,
0.3311

 54.6904, 0.2666,
0.3326


 124.7163, 0.2775,
0.3320

 39.1539, 0.2613,
0.3329


 157.1451, 0.2800,
0.3318

 26.8795, 0.2547,
0.3331

194.7579, 0.2823,
0.3317

 17.4827, 0.2461,
0.3334

237.9391, 0.2842,
0.3315

 10.5793, 0.2346,
0.3336

287.0732, 0.2859,
0.3314

 5.7847, 0.2184,
0.3335


342.5445, 0.2874,

 2.7146, 0.1939,


0.3313


404.7374, 0.2888,
0.3312


0.3326


 0.9846, 0.1307,
0.3376

 0.0000, 0.0000,
0.0000


 73.8734, 0.2709,
0.3324


 73.8734, 0.2709,
0.3324


 71.5188, 0.2594,
0.3337


 76.7012, 0.2838,
0.3312


 69.6027, 0.2496,
0.3351

 80.0170, 0.2977,
0.3300

 68.1000, 0.2416,
0.3365

 83.8460, 0.3125,
0.3290

 66.9790, 0.2356,
0.3379

 87.3789, 0.3249,
0.3281

■ 66.2038, 0.2315,
0.3393

■ 87.4380, 0.3242,
0.3271

■ 65.7317, 0.2292,
0.3407

■ 87.4974, 0.3236,
0.3261

■ 65.4911, 0.2284,
0.3421

■ 87.5572, 0.3229,
0.3251

■ 87.6173, 0.3223,
0.3241

■ 87.6778, 0.3217,
0.3231

Harmonies

Analogous

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



73.8734, 0.2922, 0.3580



73.8734, 0.2709, 0.3324



73.8734, 0.2606, 0.3071

Triad

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



73.8734, 0.2709, 0.3324



73.8734, 0.3038, 0.2876



73.8734, 0.3640, 0.3671

Complementary

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



73.8734, 0.2709, 0.3324



47.5432, 0.3776, 0.3258

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.



73.8734, 0.3678, 0.3469



73.8734, 0.2709, 0.3324



73.8734, 0.3321, 0.3023

Square

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



73.8734, 0.2709, 0.3324



73.8734, 0.2789, 0.2828



73.8734, 0.3560, 0.3235



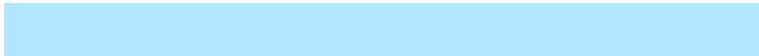
73.8734, 0.3461, 0.3781

Rectangle

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



73.8734, 0.2709, 0.3324



73.8734, 0.2611, 0.2942



73.8734, 0.3560, 0.3235



73.8734, 0.3670, 0.3611

Sweetspot

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



73.8764, 0.2709, 0.3324



95.8412, 0.2993, 0.3299



71.0941, 0.3108, 0.4167



20.3802, 0.2972, 0.3301



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.



73.8764, 0.2709, 0.3324



86.2976, 0.2638, 0.3332



57.2459, 0.2650, 0.2904



17.1101, 0.2987, 0.3300



36.0974, 0.2283, 0.3418



2.8380, 0.2278, 0.3399

Inverse Universe

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



47.5432, 0.3776, 0.3258



50.3200, 0.3964, 0.3251



60.4443, 0.3700, 0.3646



15.0645, 0.3286, 0.3280



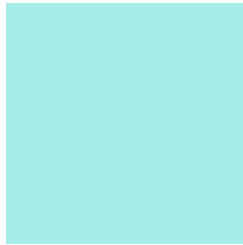
9.8468, 0.6355, 0.3274



0.7769, 0.6232, 0.3207

Previews

White Background



This preview shows how the Yxy color 73.8734, 0.2709, 0.3324 looks on a white background.

Color Contrast Check

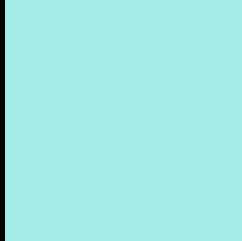
Large Text (above 18pt) WCAG AA × Fail

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 73.8734, 0.2709, 0.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

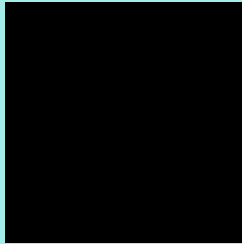
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.8734, 0.2709, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 73.8734, 0.2709, 0.3324.

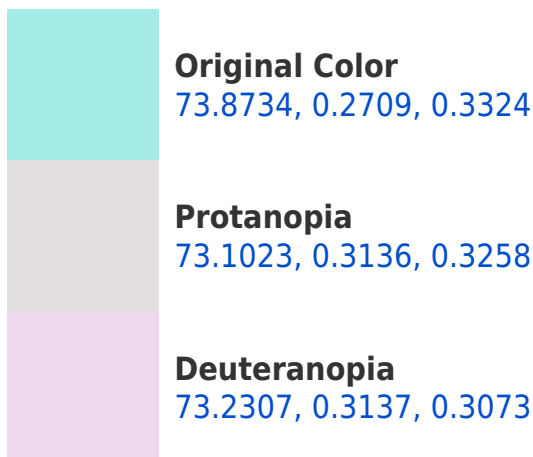


This preview shows how white text looks on a background with the Yxy color 73.8734, 0.2709, 0.3324.

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

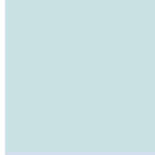
73.7411, 0.2630, 0.3075

Trichromacy



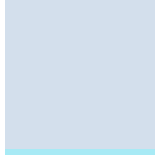
Original Color

73.8734, 0.2709, 0.3324



Protanomaly

72.6353, 0.2965, 0.3278



Deuteranomaly

72.6804, 0.2963, 0.3148



Tritanomaly

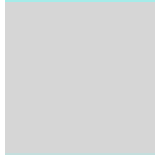
73.7630, 0.2661, 0.3163

Monochromacy



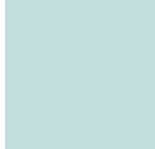
Original Color

73.8734, 0.2709, 0.3324



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.1988, 0.2955, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8734, 0.2709, 0.3324 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(165, 236, 233)` looks like.

```
.text, #text, p{  
    color:rgb(165, 236, 233)  
}
```

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(165, 236, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 236, 233) }
```

Border

The CSS property to change the border of an element to Yxy 73.8734, 0.2709, 0.3324 is called "border". The border property can be set on classes, ids or directly on the HTML element.

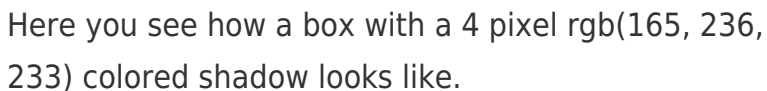
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 236, 233) }
```

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

```
.border{ border-color:rgb(165, 236, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 236, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 236, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 236, 233); box-shadow:4px 4px 4px 4px rgb(165, 236, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8734, 0.2709, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 236, 233) }
```

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

```
.background{ background-color: rgb(165,  
236, 233) }
```

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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