

Converting Colors

$Yxy(74.1475, 0.2770, 0.3309)$

Have a look what the booklet for
Yxy(74.1475, 0.2770, 0.3309)
contains.

Yxy(73.9589, 0.2768, 0.3300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.9589, 0.2768, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	<code>B0EAE9</code>
RGB	<code>176, 234, 233</code>
RGB Percent	<code>69%, 92%, 91%</code>
CMY	<code>0.3099, 0.0823, 0.0861</code>
CMYK	<code>0.25, 0.00, 0.00, 0.08</code>
HSL	<code>179°, 58%, 80%</code>
HSV	<code>179°, 25%, 92%</code>
XYZ	<code>62.0358, 73.9589, 88.1231</code>
YIQ	<code>216.5440, -34.2470, -12.6070</code>

Conversions

Conversions Part 2

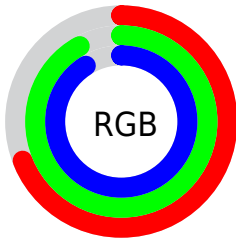
Format	Color
R _Y B	176, 205, 234
Decimal	11594473
CIE Lab	88.90, -18.45, -5.52
CIE LCh	89, 19.260, 196.642
Yxy	73.9589, 0.2768, 0.3300
Android (android.graphics.Color)	4289784553 (0xFFB0EAE9)
YUV	216.5440, 8.1128, -35.5571
Hunter-Lab	85.9994, -21.7375, -0.5546

Details

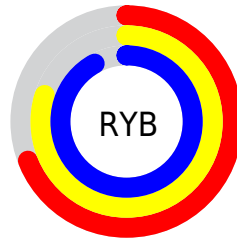
The Yxy color **73.9589, 0.2768, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.7092, 0.3641, 0.3281**, and the grayscale version is **69.0214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **39.1527, 0.2690, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **71.4432, 0.2643, 0.3305**, and if you desaturate by 10%, it is **76.9507, 0.2906, 0.3296**.

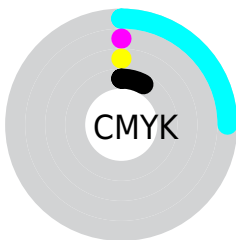
Distribution



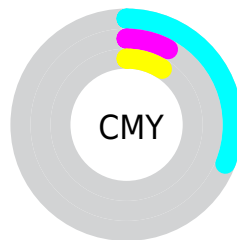
- Red (69%)
- Green (92%)
- Blue (91%)



- Red (69%)
- Yellow (80%)
- Blue (92%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (31%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9589, 0.2768, 0.3300 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 73.9589, 0.2768, 0.3300 by changing the saturation by 10% instead.


 73.9589, 0.2768,
0.3300

 73.9589, 0.2768,
0.3300


474.3315, 0.2932,
0.3298

 54.7604, 0.2731,
0.3300


 124.8375, 0.2825,
0.3300

 39.2099, 0.2685,
0.3300

157.2865, 0.2847,
0.3299

 26.9231, 0.2628,
0.3299


194.9210, 0.2866,
0.3299

 17.5155, 0.2554,
0.3298

238.1255, 0.2882,
0.3299

 10.6027, 0.2454,
0.3294

287.2845, 0.2897,
0.3298

 5.8003, 0.2313,
0.3287

342.7822, 0.2910,

 2.7241, 0.2099,

0.3298

0.3270

405.0031, 0.2922,
0.3298

0.9894, 0.1608,
0.3272

0.0000, 0.0000,
0.0000

73.9589, 0.2768,
0.3300

73.9589, 0.2768,
0.3300

71.4432, 0.2643,
0.3305

76.9507, 0.2906,
0.3296

69.3707, 0.2534,
0.3310


80.4322, 0.3054,
0.3292


67.7179, 0.2442,
0.3315

84.4271, 0.3208,
0.3288


66.4559, 0.2369,
0.3320

86.0836, 0.3266,
0.3285


 65.5521, 0.2316,
0.3325

 86.1061, 0.3264,
0.3281


 64.9684, 0.2282,
0.3331


 86.1287, 0.3261,
0.3277

 64.6583, 0.2265,
0.3336

 86.1514, 0.3259,
0.3273

 64.5674, 0.2261,
0.3339

 86.1741, 0.3256,
0.3269

 86.1968, 0.3254,
0.3265

Harmonies

Analogous

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



73.9589, 0.2940, 0.3512



73.9589, 0.2768, 0.3300



73.9589, 0.2691, 0.3095

Triad

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



73.9589, 0.2768, 0.3300



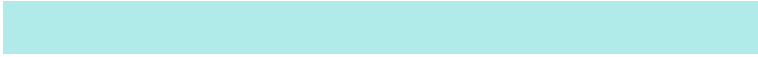
73.9589, 0.3075, 0.2952



73.9589, 0.3542, 0.3619

Complementary

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



73.9589, 0.2768, 0.3300



51.7092, 0.3641, 0.3281

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.



73.9589, 0.3584, 0.3459



73.9589, 0.2768, 0.3300



73.9589, 0.3309, 0.3082

Square

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



73.9589, 0.2768, 0.3300



73.9589, 0.2863, 0.2905



73.9589, 0.3498, 0.3264



73.9589, 0.3387, 0.3698

Rectangle

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



73.9589, 0.2768, 0.3300



73.9589, 0.2701, 0.2991



73.9589, 0.3498, 0.3264



73.9589, 0.3571, 0.3573

Sweetspot

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



73.9619, 0.2768, 0.3300



96.7512, 0.3020, 0.3293



71.4375, 0.3107, 0.3992



20.6519, 0.3011, 0.3293



0.0000, 0.0000, 0.0000



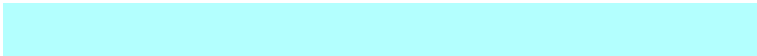
21.4041, 0.3127, 0.3290

Same Dimension

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



73.9619, 0.2768, 0.3300



88.1823, 0.2699, 0.3302



59.7594, 0.2735, 0.2969



17.1173, 0.2984, 0.3294



36.2836, 0.2261, 0.3338



2.8505, 0.2259, 0.3331

Inverse Universe

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



51.7092, 0.3641, 0.3281



56.5863, 0.3794, 0.3279



63.3671, 0.3578, 0.3591



15.0581, 0.3290, 0.3287



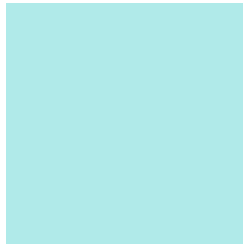
9.8364, 0.6383, 0.3290



0.7738, 0.6333, 0.3263

Previews

White Background



This preview shows how the Yxy color 73.9589, 0.2768, 0.3300 looks on a white background.

Color Contrast Check

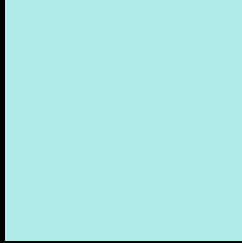
Large Text (above 18pt) WCAG AA × Fail

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 73.9589, 0.2768, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

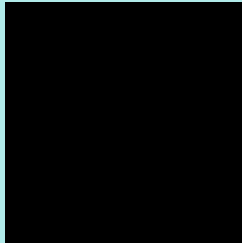
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.9589, 0.2768, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 73.9589, 0.2768, 0.3300.

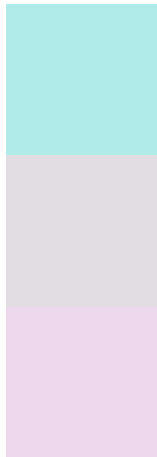


This preview shows how white text looks on a background with the Yxy color 73.9589, 0.2768, 0.3300.

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

73.9589, 0.2768, 0.3300

Protanopia

73.2114, 0.3123, 0.3236

Deuteranopia

73.4033, 0.3144, 0.3073



Tritanopia

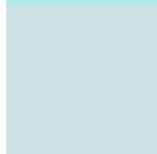
73.7573, 0.2697, 0.3077

Trichromacy



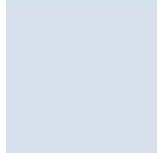
Original Color

73.9589, 0.2768, 0.3300



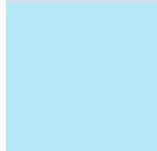
Protanomaly

73.3153, 0.2979, 0.3257



Deuteranomaly

73.2786, 0.2989, 0.3150



Tritanomaly

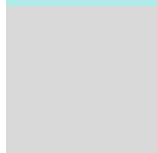
73.8286, 0.2725, 0.3154

Monochromacy



Original Color

73.9589, 0.2768, 0.3300



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

70.6596, 0.2983, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9589, 0.2768, 0.3300 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(176, 234, 233)` looks like.

```
.text, #text, p{  
    color:rgb(176, 234, 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(176, 234, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 234, 233) }
```

Border

The CSS property to change the border of an element to Yxy 73.9589, 0.2768, 0.3300 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(176, 234, 233) }
```

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

```
.border{ border-color:rgb(176, 234, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 234, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 234, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 234, 233);  
box-shadow:4px 4px 4px 4px rgb(176, 234,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9589, 0.2768, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 234, 233) }
```

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

```
.background{ background-color: rgb(176,  
234, 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](#).

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