

Converting Colors

$Yxy(69.4652, 0.2761, 0.3363)$

Have a look what the booklet for
Yxy(69.4652, 0.2761, 0.3363)
contains.

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Color

Yxy(69.4733, 0.2760, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	A6E5DF
RGB	166, 229, 223
RGB Percent	65%, 90%, 87%
CMY	0.3490, 0.1020, 0.1254
CMYK	0.28, 0.00, 0.03, 0.10
HSL	174°, 55%, 77%
HSV	174°, 28%, 90%
XYZ	57.0674, 69.4733, 80.2251
YIQ	209.4790, -35.6220, -15.2220

Conversions

Conversions Part 2

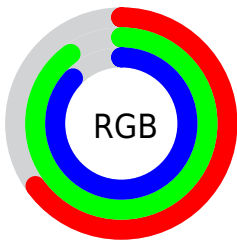
Format	Color
R _Y B	166, 199, 229
Decimal	10937823
CIE Lab	86.74, -21.02, -3.51
CIE LCh	87, 21.313, 189.467
Yxy	69.4733, 0.2760, 0.3360
Android (android.graphics.Color)	4289127903 (0xFFA6E5DF)
YUV	209.4790, 6.6659, -38.1311
Hunter-Lab	83.3506, -23.6507, 1.2787

Details

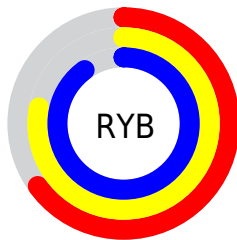
The Yxy color **69.4733, 0.2760, 0.3360** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.9128, 0.3668, 0.3223**, and the grayscale version is **64.0660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **36.1590, 0.2673, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **67.1009, 0.2647, 0.3389**, and if you desaturate by 10%, it is **72.2935, 0.2886, 0.3333**.

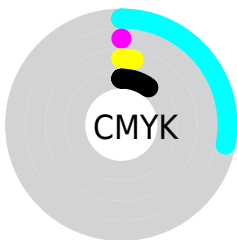
Distribution



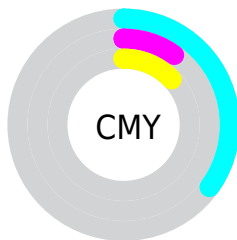
- Red (65%)
- Green (90%)
- Blue (87%)



- Red (65%)
- Yellow (78%)
- Blue (90%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (35%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4733, 0.2760, 0.3360 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 69.4733, 0.2760, 0.3360 by changing the saturation by 10% instead.

 69.4733, 0.2760,
0.3360

 69.4733, 0.2760,
0.3360


458.6985, 0.2930,
0.3329

 51.0973, 0.2721,
0.3367


 118.4573, 0.2819,
0.3350

 36.2860, 0.2673,
0.3375


 149.8341, 0.2842,
0.3345

 24.6552, 0.2612,
0.3385


186.3133, 0.2862,
0.3342

 15.8203, 0.2533,
0.3397

228.2792, 0.2879,
0.3339

 9.3971, 0.2425,
0.3413

276.1163, 0.2894,
0.3336

 5.0011, 0.2269,
0.3433

330.2090, 0.2907,

 2.2479, 0.2027,

0.3333

0.3460

390.9416, 0.2919,
0.3331

0.7459, 0.0978,
0.3726

0.0000, 0.0000,
0.0000

69.4733, 0.2760,
0.3360

69.4733, 0.2760,
0.3360

67.1009, 0.2647,
0.3389

72.2935, 0.2886,
0.3333

65.1444, 0.2548,
0.3420

75.5747, 0.3021,
0.3307

63.5811, 0.2467,
0.3452

79.3399, 0.3163,
0.3284

62.3827, 0.2405,
0.3484

83.1096, 0.3290,
0.3264

■ 61.5170, 0.2362,
0.3517

■ 83.2338, 0.3276,
0.3242

■ 60.9463, 0.2338,
0.3550

■ 83.3596, 0.3261,
0.3221

■ 60.6199, 0.2331,
0.3582

■ 83.4868, 0.3247,
0.3199

■ 60.5564, 0.2331,
0.3590

■ 83.6157, 0.3233,
0.3178

■ 83.7460, 0.3219,
0.3157

Harmonies

Analogous

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



69.4733, 0.2973, 0.3591



69.4733, 0.2760, 0.3360



69.4733, 0.2646, 0.3119

Triad

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



69.4733, 0.2760, 0.3360



69.4733, 0.3005, 0.2889



69.4733, 0.3621, 0.3623

Complementary

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



69.4733, 0.2760, 0.3360



46.9128, 0.3668, 0.3223

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.



69.4733, 0.3634, 0.3427



69.4733, 0.2760, 0.3360



69.4733, 0.3270, 0.3014

Square

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



69.4733, 0.2760, 0.3360



69.4733, 0.2783, 0.2859



69.4733, 0.3504, 0.3207



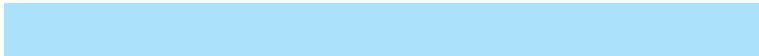
69.4733, 0.3471, 0.3741

Rectangle

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



69.4733, 0.2760, 0.3360



69.4733, 0.2637, 0.2989



69.4733, 0.3504, 0.3207



69.4733, 0.3642, 0.3564

Sweetspot

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



69.4761, 0.2760, 0.3360



96.2100, 0.3014, 0.3309



67.5986, 0.3132, 0.4073



20.4500, 0.2993, 0.3312



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.



69.4761, 0.2760, 0.3360



86.8769, 0.2694, 0.3376



56.8584, 0.2697, 0.2982



16.3116, 0.2994, 0.3312



34.6325, 0.2329, 0.3585



2.5661, 0.2316, 0.3538

Inverse Universe

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



46.9128, 0.3668, 0.3223



53.5775, 0.3826, 0.3208



56.7636, 0.3648, 0.3578



14.3901, 0.3278, 0.3268



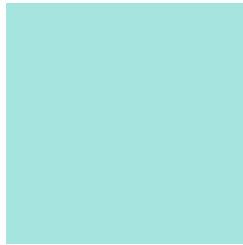
9.5646, 0.6289, 0.3238



0.7144, 0.6025, 0.3093

Previews

White Background



This preview shows how the Yxy color 69.4733, 0.2760, 0.3360 looks on a white background.

Color Contrast Check

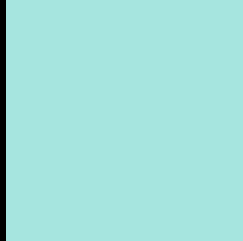
Large Text (above 18pt) WCAG AA × Fail

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 69.4733, 0.2760, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

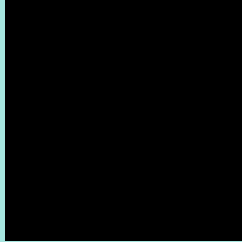
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

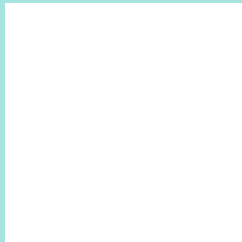
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.4733, 0.2760, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 69.4733, 0.2760, 0.3360.

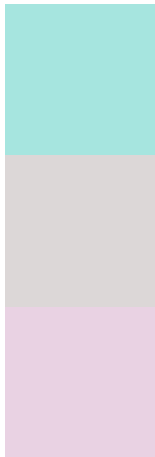


This preview shows how white text looks on a background with the Yxy color 69.4733, 0.2760, 0.3360.

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

69.4733, 0.2760, 0.3360

Protanopia

68.7228, 0.3164, 0.3290

Deuteranopia

68.9629, 0.3180, 0.3110



Tritanopia

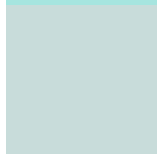
69.5823, 0.2672, 0.3082

Trichromacy



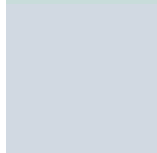
Original Color

69.4733, 0.2760, 0.3360



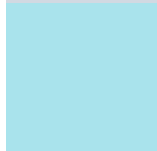
Protanomaly

68.5277, 0.3000, 0.3312



Deuteranomaly

68.6720, 0.3011, 0.3190



Tritanomaly

69.4293, 0.2704, 0.3184

Monochromacy



Original Color

69.4733, 0.2760, 0.3360



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.3042, 0.2977, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4733, 0.2760, 0.3360 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, 229, 223)` looks like.

```
.text, #text, p{  
    color:rgb(166, 229, 223)  
}
```

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, 229, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 229, 223) }
```

Border

The CSS property to change the border of an element to Yxy 69.4733, 0.2760, 0.3360 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, 229, 223) }
```

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

```
.border{ border-color:rgb(166, 229, 223) }
```

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

Here you see how a box with a 4 pixel rgb(166, 229, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 229, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 229, 223);  
box-shadow:4px 4px 4px 4px rgb(166, 229,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4733, 0.2760, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 229, 223) }
```

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

```
.background{ background-color: rgb(166,  
229, 223) }
```

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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