

Converting Colors

$Yxy(69.8841, 0.2751, 0.3350)$

Have a look what the booklet for
Yxy(69.8841, 0.2751, 0.3350)
contains.

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Color

Yxy(70.0824, 0.2756, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	A6E6E0
RGB	166, 230, 224
RGB Percent	65%, 90%, 88%
CMY	0.3488, 0.0981, 0.1216
CMYK	0.28, 0.00, 0.03, 0.10
HSL	174°, 56%, 78%
HSV	174°, 28%, 90%
XYZ	57.4843, 70.0824, 81.0119
YIQ	210.1800, -36.2180, -15.4340

Conversions

Conversions Part 2

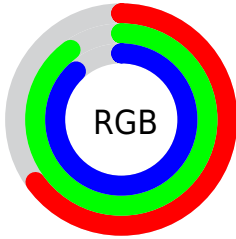
Format	Color
RYB	166, 200, 230
Decimal	10938080
CIELab	87.04, -21.29, -3.58
CIELCh	87, 21.587, 189.540
Yxy	70.0824, 0.2756, 0.3360
Android (android.graphics.Color)	4289128160 (0xFFA6E6E0)
YUV	210.1800, 6.8133, -38.7459
Hunter-Lab	83.7152, -23.9321, 1.2252

Details

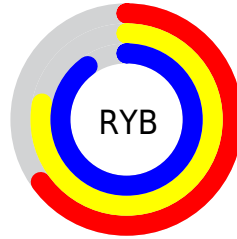
The Yxy color **70.0824, 0.2756, 0.3360** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.0952, 0.3677, 0.3223**, and the grayscale version is **64.5534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **36.5814, 0.2668, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **67.7005, 0.2643, 0.3389**, and if you desaturate by 10%, it is **72.9160, 0.2882, 0.3333**.

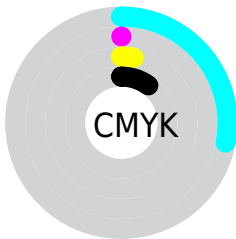
Distribution



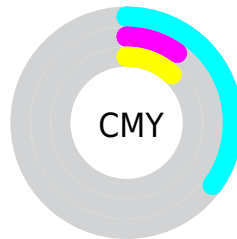
- Red (65%)
- Green (90%)
- Blue (88%)



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



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




- Cyan (35%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0824, 0.2756, 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 70.0824, 0.2756, 0.3360 by changing the saturation by 10% instead.


 70.0824, 0.2756,
0.3360

 70.0824, 0.2756,
0.3360


460.8393, 0.2928,
0.3329

 51.5937, 0.2717,
0.3367

 119.3263, 0.2816,
0.3350

 36.6813, 0.2669,
0.3375


 150.8502, 0.2839,
0.3346

 24.9609, 0.2607,
0.3384


187.4881, 0.2859,
0.3342

 16.0479, 0.2527,
0.3397

229.6242, 0.2876,
0.3339

 9.5581, 0.2419,
0.3412

277.6430, 0.2891,
0.3336

 5.1069, 0.2263,
0.3432

331.9288, 0.2905,

 2.3101, 0.2022,

0.3333

392.8661, 0.2917,
0.3331

0.3458

0.7791, 0.1049,
0.3702

0.0000, 0.0000,
0.0000

70.0824, 0.2756,
0.3360

70.0824, 0.2756,
0.3360

67.7005, 0.2643,
0.3389

72.9160, 0.2882,
0.3333

65.7380, 0.2545,
0.3419


76.2147, 0.3017,
0.3308

64.1720, 0.2464,
0.3451


80.0018, 0.3159,
0.3285

62.9736, 0.2402,
0.3483


83.7130, 0.3283,
0.3264

 62.1103, 0.2360,
0.3515


 83.8369, 0.3269,
0.3243


 61.5436, 0.2337,
0.3548

 83.9623, 0.3255,
0.3222

 61.2210, 0.2330,
0.3580

 84.0893, 0.3241,
0.3201

 61.1649, 0.2330,
0.3587

 84.2178, 0.3226,
0.3180

 84.3478, 0.3212,
0.3159

Harmonies

Analogous

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



70.0824, 0.2970, 0.3594



70.0824, 0.2756, 0.3360



70.0824, 0.2641, 0.3116

Triad

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



70.0824, 0.2756, 0.3360



70.0824, 0.3005, 0.2885



70.0824, 0.3626, 0.3627

Complementary

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



70.0824, 0.2756, 0.3360



47.0952, 0.3677, 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.



70.0824, 0.3639, 0.3429



70.0824, 0.2756, 0.3360



70.0824, 0.3272, 0.3012

Square

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



70.0824, 0.2756, 0.3360



70.0824, 0.2780, 0.2855



70.0824, 0.3508, 0.3207



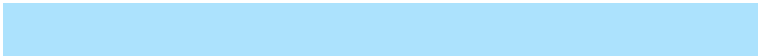
70.0824, 0.3474, 0.3745

Rectangle

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



70.0824, 0.2756, 0.3360



70.0824, 0.2633, 0.2985



70.0824, 0.3508, 0.3207



70.0824, 0.3647, 0.3567

Sweetspot

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



70.0852, 0.2756, 0.3360



96.2114, 0.3014, 0.3309



68.1676, 0.3132, 0.4083



20.4503, 0.2993, 0.3312



0.0000, 0.0000, 0.0000



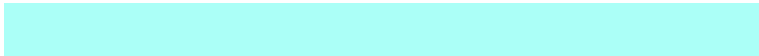
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0852, 0.2756, 0.3360



86.8827, 0.2693, 0.3375



57.2109, 0.2692, 0.2978



16.3118, 0.2994, 0.3312



34.6396, 0.2328, 0.3581



2.5666, 0.2315, 0.3535

Inverse Universe

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



47.0952, 0.3677, 0.3223



53.5738, 0.3827, 0.3209



57.1147, 0.3655, 0.3582



14.3899, 0.3278, 0.3268



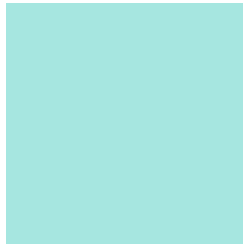
9.5640, 0.6291, 0.3239



0.7143, 0.6029, 0.3095

Previews

White Background



This preview shows how the Yxy color 70.0824, 0.2756, 0.3360 looks on a white background.

Color Contrast Check

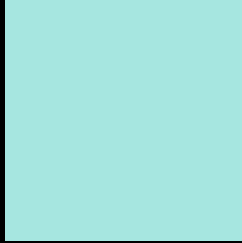
Large Text (above 18pt) WCAG AA × Fail

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 70.0824, 0.2756, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

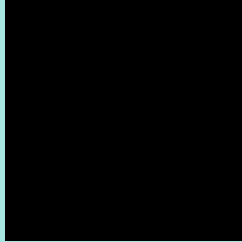
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

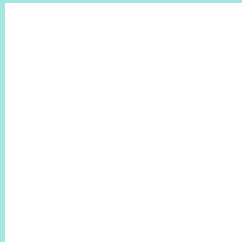
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0824, 0.2756, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 70.0824, 0.2756, 0.3360.

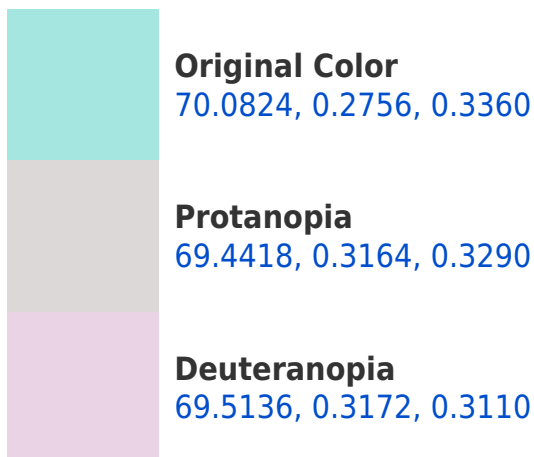


This preview shows how white text looks on a background with the Yxy color 70.0824, 0.2756, 0.3360.

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





Tritanopia

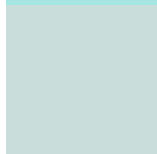
70.1887, 0.2668, 0.3083

Trichromacy



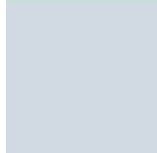
Original Color

70.0824, 0.2756, 0.3360



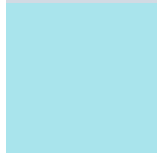
Protanomaly

69.2449, 0.3001, 0.3312



Deuteranomaly

69.2442, 0.3005, 0.3190



Tritanomaly

70.0362, 0.2700, 0.3184

Monochromacy



Original Color

70.0824, 0.2756, 0.3360



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.0013, 0.2978, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0824, 0.2756, 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, 230, 224)` looks like.

```
.text, #text, p{  
    color:rgb(166, 230, 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(166, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 230, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.0824, 0.2756, 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, 230, 224) }
```

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

```
.border{ border-color:rgb(166, 230, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 230, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(166, 230,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0824, 0.2756, 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, 230, 224) }
```

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

```
.background{ background-color: rgb(166,  
230, 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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