

Converting Colors

$Yxy(70.6515, 0.2765, 0.3412)$

Have a look what the booklet for
Yxy(70.6515, 0.2765, 0.3412)
contains.

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Color

Yxy(70.9330, 0.2768, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	A5E8DD
RGB	165, 232, 221
RGB Percent	65%, 91%, 87%
CMY	0.3533, 0.0901, 0.1334
CMYK	0.29, 0.00, 0.05, 0.09
HSL	170°, 59%, 78%
HSV	170°, 29%, 91%
XYZ	57.4101, 70.9330, 79.0633
YIQ	210.7130, -36.4010, -17.6250

Conversions

Conversions Part 2

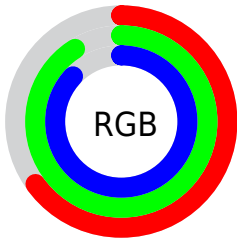
Format	Color
RYB	165, 201, 232
Decimal	10873053
CIELab	87.45, -23.26, -1.40
CIELCh	87, 23.302, 183.438
Yxy	70.9330, 0.2768, 0.3420
Android (android.graphics.Color)	4289063133 (0xFFA5E8DD)
YUV	210.7130, 5.0715, -40.0903
Hunter-Lab	84.2217, -25.7127, 3.2966

Details

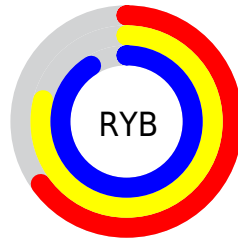
The Yxy color **70.9330, 0.2768, 0.3420** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1722, 0.3661, 0.3166**, and the grayscale version is **64.9162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **37.1833, 0.2685, 0.3447** is the 20% darker color. If you saturate the color by 10%, you get **68.4700, 0.2663, 0.3472**, and if you desaturate by 10%, it is **73.8576, 0.2885, 0.3371**.

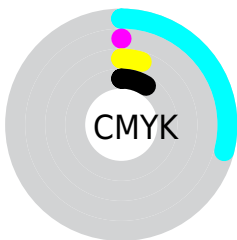
Distribution



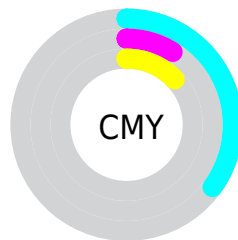
- Red (65%)
- Green (91%)
- Blue (87%)



- Red (65%)
- Yellow (79%)
- Blue (91%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)





- Cyan (35%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9330, 0.2768, 0.3420 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 70.9330, 0.2768, 0.3420 by changing the saturation by 10% instead.


 70.9330, 0.2768,
0.3420


 70.9330, 0.2768,
0.3420


463.8192, 0.2934,
0.3361

 52.2875, 0.2730,
0.3433


 120.5383, 0.2826,
0.3399

 37.2343, 0.2683,
0.3450

 152.2670, 0.2848,
0.3391

 25.3890, 0.2624,
0.3471

189.1254, 0.2867,
0.3385

 16.3671, 0.2546,
0.3498

231.4981, 0.2884,
0.3379

 9.7843, 0.2441,
0.3534

279.7695, 0.2899,
0.3373

 5.2562, 0.2289,
0.3585

334.3238, 0.2912,

 2.3983, 0.2053,

0.3369

395.5456, 0.2924,
0.3364

0.3662

0.8250, 0.1062,
0.4049

0.0000, 0.0000,
0.0000

70.9330, 0.2768,
0.3420

70.9330, 0.2768,
0.3420

68.4700, 0.2663,
0.3472

73.8576, 0.2885,
0.3371

66.4355, 0.2573,
0.3527


77.2578, 0.3010,
0.3327

64.8056, 0.2499,
0.3584


81.1576, 0.3142,
0.3286


63.5506, 0.2445,
0.3643

85.0562, 0.3257,
0.3249

 62.6365, 0.2410,
0.3702


 85.2807, 0.3233,
0.3212

 62.0232, 0.2395,
0.3762


 85.5099, 0.3208,
0.3175

 61.6497, 0.2396,
0.3820

 85.7439, 0.3184,
0.3138

 61.6151, 0.2396,
0.3826

 85.9827, 0.3160,
0.3101

 86.2057, 0.3138,
0.3068

Harmonies

Analogous

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



70.9330, 0.3013, 0.3660



70.9330, 0.2768, 0.3420



70.9330, 0.2621, 0.3152

Triad

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



70.9330, 0.2768, 0.3420



70.9330, 0.2940, 0.2841



70.9330, 0.3679, 0.3612

Complementary

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



70.9330, 0.2768, 0.3420



47.1722, 0.3661, 0.3166

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.



70.9330, 0.3661, 0.3389



70.9330, 0.2768, 0.3420



70.9330, 0.3224, 0.2958

Square

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



70.9330, 0.2768, 0.3420



70.9330, 0.2716, 0.2831



70.9330, 0.3492, 0.3154



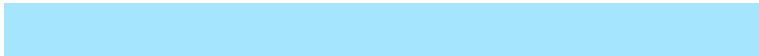
70.9330, 0.3543, 0.3763

Rectangle

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



70.9330, 0.2768, 0.3420



70.9330, 0.2593, 0.3000



70.9330, 0.3492, 0.3154



70.9330, 0.3691, 0.3543

Sweetspot

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



70.9359, 0.2768, 0.3420



95.6635, 0.3009, 0.3327



69.6811, 0.3162, 0.4112



20.3362, 0.2990, 0.3333



0.0000, 0.0000, 0.0000



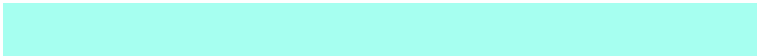
21.4041, 0.3127, 0.3290

Same Dimension

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



70.9359, 0.2768, 0.3420



85.9107, 0.2701, 0.3452



59.7401, 0.2680, 0.3019



16.2936, 0.3003, 0.3329



34.2149, 0.2394, 0.3817



2.5393, 0.2370, 0.3731

Inverse Universe

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



47.1722, 0.3661, 0.3166



51.7542, 0.3826, 0.3138



55.5347, 0.3696, 0.3545



14.4065, 0.3267, 0.3252



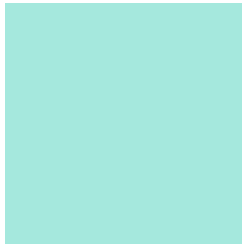
9.6147, 0.6158, 0.3166



0.7222, 0.5785, 0.2961

Previews

White Background



This preview shows how the Yxy color 70.9330, 0.2768, 0.3420 looks on a white background.

Color Contrast Check

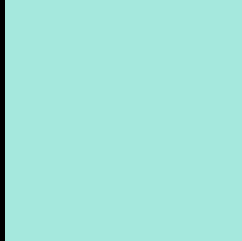
Large Text (above 18pt) WCAG AA × Fail

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 70.9330, 0.2768, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

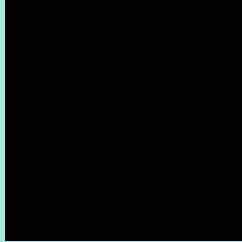
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

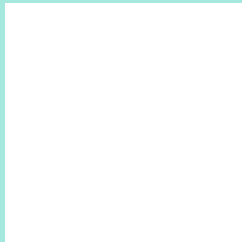
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9330, 0.2768, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 70.9330, 0.2768, 0.3420.

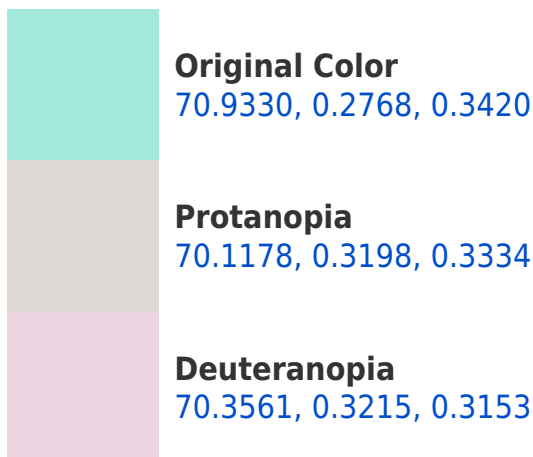


This preview shows how white text looks on a background with the Yxy color 70.9330, 0.2768, 0.3420.

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

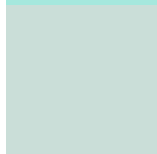
70.7986, 0.2664, 0.3084

Trichromacy



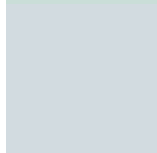
Original Color

70.9330, 0.2768, 0.3420



Protanomaly

69.7570, 0.3026, 0.3358



Deuteranomaly

69.7465, 0.3031, 0.3234



Tritanomaly

70.5881, 0.2702, 0.3196

Monochromacy



Original Color

70.9330, 0.2768, 0.3420



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.0387, 0.2978, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9330, 0.2768, 0.3420 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, 232, 221)` looks like.

```
.text, #text, p{  
    color:rgb(165, 232, 221)  
}
```

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, 232, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 232, 221) }
```

Border

The CSS property to change the border of an element to Yxy 70.9330, 0.2768, 0.3420 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, 232, 221) }
```

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

```
.border{ border-color:rgb(165, 232, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 232, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 232, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 232, 221);  
box-shadow:4px 4px 4px 4px rgb(165, 232,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9330, 0.2768, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 232, 221) }
```

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

```
.background{ background-color: rgb(165,  
232, 221) }
```

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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