

Converting Colors

$Yxy(70.5804, 0.2744, 0.3221)$

Have a look what the booklet for
Yxy(70.5804, 0.2744, 0.3221)
contains.

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Color

Yxy(70.4260, 0.2745, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	AEE4EA
RGB	174, 228, 234
RGB Percent	68%, 89%, 92%
CMY	0.3179, 0.1058, 0.0825
CMYK	0.26, 0.03, 0.00, 0.08
HSL	186°, 59%, 80%
HSV	186°, 26%, 92%
XYZ	60.0371, 70.4260, 88.2512
YIQ	212.5380, -34.1100, -9.5820

Conversions

Conversions Part 2

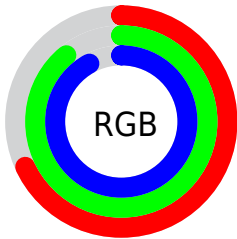
Format	Color
RYB	174, 202, 234
Decimal	11461866
CIELab	87.21, -15.84, -8.53
CIELCh	87, 17.996, 208.305
Yxy	70.4260, 0.2745, 0.3220
Android (android.graphics.Color)	4289651946 (0xFFAEE4EA)
YUV	212.5380, 10.5808, -33.7978
Hunter-Lab	83.9202, -19.1603, -3.6057

Details

The Yxy color **70.4260, 0.2745, 0.3220** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.1427, 0.3657, 0.3359**, and the grayscale version is **66.1536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **37.0946, 0.2661, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **66.7040, 0.2612, 0.3189**, and if you desaturate by 10%, it is **74.6388, 0.2888, 0.3249**.

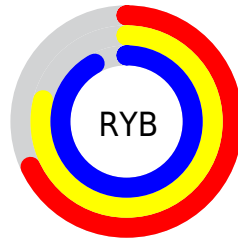
Distribution



Red (68%)

Green (89%)

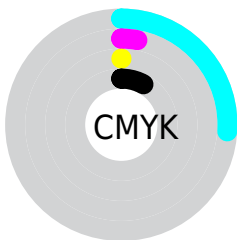
Blue (92%)



Red (68%)

Yellow (79%)

Blue (92%)

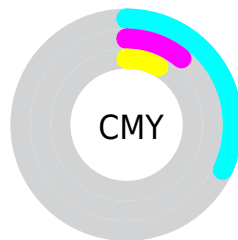


Cyan (26%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (32%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4260, 0.2745, 0.3220 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 70.4260, 0.2745, 0.3220 by changing the saturation by 10% instead.

70.4260, 0.2745,
0.3220

70.4260, 0.2745,
0.3220

462.0444, 0.2921,
0.3255

51.8739, 0.2705,
0.3211

119.8161, 0.2806,
0.3233

36.9046, 0.2656,
0.3200

151.4228, 0.2829,
0.3238

25.1336, 0.2594,
0.3185

188.1499, 0.2850,
0.3242

16.1766, 0.2514,
0.3165

230.3817, 0.2868,
0.3245

9.6492, 0.2405,
0.3136

278.5027, 0.2883,
0.3248

5.1670, 0.2250,
0.3091

332.8972, 0.2897,

2.3456, 0.2013,

0.3251

393.9496, 0.2910,
0.3253

0.3012

0.7977, 0.1362,
0.2926

0.0000, 0.0000,
0.0000

70.4260, 0.2745,
0.3220

70.4260, 0.2745,
0.3220

66.7040, 0.2612,
0.3189

74.6388, 0.2888,
0.3249

63.4400, 0.2493,
0.3157

79.3565, 0.3039,
0.3276

60.6103, 0.2391,
0.3123

84.6030, 0.3195,
0.3300

58.1854, 0.2306,
0.3088

87.9435, 0.3267,
0.3323

■ 56.1324, 0.2241,
0.3054

■ 89.2985, 0.3265,
0.3346

■ 54.4126, 0.2195,
0.3019

■ 90.6709, 0.3263,
0.3368

■ 52.9784, 0.2167,
0.2985

■ 92.0609, 0.3260,
0.3391

■ 52.4113, 0.2159,
0.2971

■ 93.4685, 0.3258,
0.3413

■ 94.8938, 0.3256,
0.3435

Harmonies

Analogous

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



70.4260, 0.2877, 0.3426



70.4260, 0.2745, 0.3220



70.4260, 0.2712, 0.3043

Triad

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



70.4260, 0.2745, 0.3220



70.4260, 0.3165, 0.3009



70.4260, 0.3475, 0.3643

Complementary

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



70.4260, 0.2745, 0.3220



53.1427, 0.3657, 0.3359

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.



70.4260, 0.3560, 0.3517



70.4260, 0.2745, 0.3220



70.4260, 0.3378, 0.3155

Square

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



70.4260, 0.2745, 0.3220



70.4260, 0.2949, 0.2930



70.4260, 0.3525, 0.3339



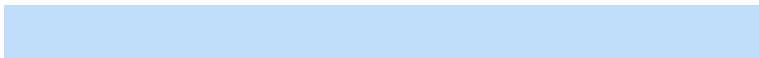
70.4260, 0.3297, 0.3677

Rectangle

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



70.4260, 0.2745, 0.3220



70.4260, 0.2749, 0.2965



70.4260, 0.3525, 0.3339



70.4260, 0.3516, 0.3610

Sweetspot

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



70.4288, 0.2745, 0.3220



95.0498, 0.3003, 0.3270



71.0758, 0.3063, 0.3960



20.1552, 0.2980, 0.3266



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.



70.4288, 0.2745, 0.3220



83.0629, 0.2671, 0.3203



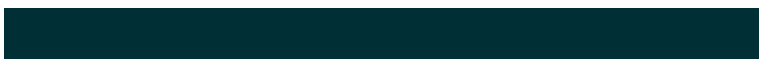
55.7574, 0.2713, 0.2870



16.8516, 0.2981, 0.3266



29.5648, 0.2160, 0.2976



2.3956, 0.2173, 0.3023

Inverse Universe

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



53.3403, 0.3204, 0.2711



59.0163, 0.3224, 0.2586



66.1238, 0.3578, 0.3676



15.2865, 0.3153, 0.3080



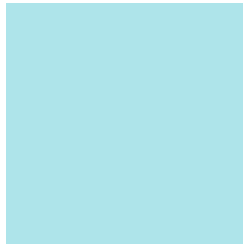
12.4774, 0.3475, 0.1688



0.9872, 0.3434, 0.1665

Previews

White Background



This preview shows how the Yxy color 70.4260, 0.2745, 0.3220 looks on a white background.

Color Contrast Check

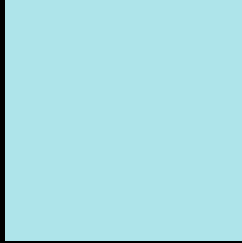
Large Text (above 18pt) WCAG AA × Fail

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 70.4260, 0.2745, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

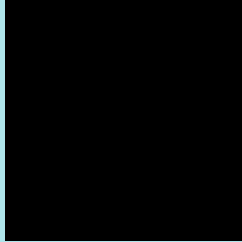
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4260, 0.2745, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 70.4260, 0.2745, 0.3220.

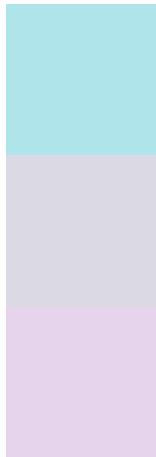


This preview shows how white text looks on a background with the Yxy color 70.4260, 0.2745, 0.3220.

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

70.4260, 0.2745, 0.3220

Protanopia

70.2318, 0.3075, 0.3181

Deuteranopia

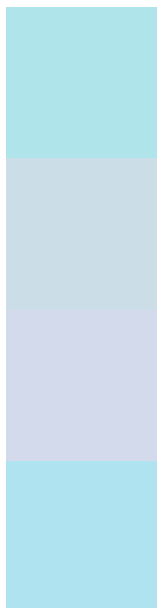
70.0244, 0.3089, 0.3027



Tritanopia

70.1545, 0.2701, 0.3084

Trichromacy



Original Color

70.4260, 0.2745, 0.3220

Protanomaly

70.1226, 0.2946, 0.3189

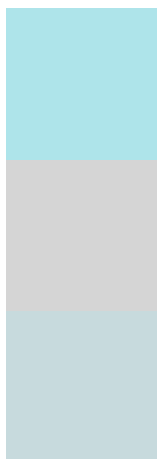
Deuteranomaly

69.9006, 0.2955, 0.3093

Tritanomaly

70.3434, 0.2717, 0.3140

Monochromacy



Original Color

70.4260, 0.2745, 0.3220

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.5054, 0.2974, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4260, 0.2745, 0.3220 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(174, 228, 234)` looks like.

```
.text, #text, p{  
    color:rgb(174, 228, 234)  
}
```

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(174, 228, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 228, 234) }
```

Border

The CSS property to change the border of an element to Yxy 70.4260, 0.2745, 0.3220 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(174, 228, 234) }
```

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

```
.border{ border-color:rgb(174, 228, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 228, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 228, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 228, 234);  
box-shadow:4px 4px 4px 4px rgb(174, 228,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4260, 0.2745, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 228, 234) }
```

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

```
.background{ background-color: rgb(174,  
228, 234) }
```

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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