

Converting Colors

$Yxy(70.4797, 0.2814, 0.3348)$

Have a look what the booklet for
Yxy(70.4797, 0.2814, 0.3348)
contains.

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Color

Yxy(70.6505, 0.2813, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	B0E5E0
RGB	176, 229, 224
RGB Percent	69%, 90%, 88%
CMY	0.3099, 0.1019, 0.1214
CMYK	0.23, 0.00, 0.02, 0.10
HSL	174°, 50%, 79%
HSV	174°, 23%, 90%
XYZ	59.3785, 70.6505, 81.0570
YIQ	212.5830, -29.9830, -12.7910

Conversions

Conversions Part 2

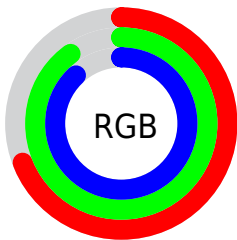
Format	Color
RYB	176, 204, 229
Decimal	11593184
CIELab	87.31, -17.89, -3.13
CIElCh	87, 18.163, 189.932
Yxy	70.6505, 0.2813, 0.3347
Android (android.graphics.Color)	4289783264 (0xFFB0E5E0)
YUV	212.5830, 5.6286, -32.0833
Hunter-Lab	84.0539, -20.9958, 1.6616

Details

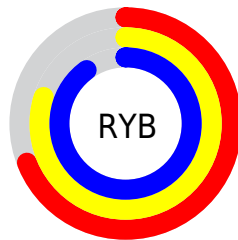
The Yxy color **70.6505, 0.2813, 0.3347** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.0346, 0.3560, 0.3235**, and the grayscale version is **66.2235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **36.8893, 0.2737, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **68.0901, 0.2694, 0.3375**, and if you desaturate by 10%, it is **73.6684, 0.2944, 0.3321**.

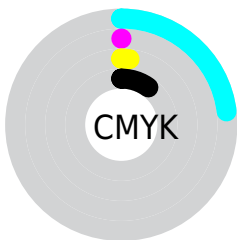
Distribution



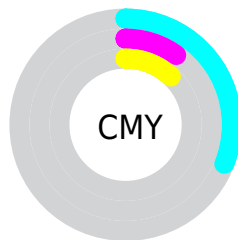
- Red (69%)
- Green (90%)
- Blue (88%)



- Red (69%)
- Yellow (80%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)





- Cyan (31%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6505, 0.2813, 0.3347 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 70.6505, 0.2813, 0.3347 by changing the saturation by 10% instead.


 70.6505, 0.2813,
0.3347

 70.6505, 0.2813,
0.3347


462.8307, 0.2958,
0.3322

 52.0570, 0.2780,
0.3352


 120.1359, 0.2863,
0.3338

 37.0505, 0.2739,
0.3359


151.7967, 0.2883,
0.3335

 25.2466, 0.2687,
0.3367


188.5820, 0.2900,
0.3332

 16.2609, 0.2619,
0.3377

230.8763, 0.2915,
0.3330

 9.7090, 0.2527,
0.3391

279.0639, 0.2927,
0.3327

 5.2064, 0.2394,
0.3408

333.5293, 0.2939,

 2.3689, 0.2188,

0.3325

394.6567, 0.2949,
0.3323

0.3431

0.8098, 0.1480,
0.3599

0.0000, 0.0000,
0.0000

70.6505, 0.2813,
0.3347

70.6505, 0.2813,
0.3347

68.0901, 0.2694,
0.3375

73.6684, 0.2944,
0.3321

65.9559, 0.2588,
0.3405

77.1562, 0.3082,
0.3297

64.2263, 0.2499,
0.3436

81.1364, 0.3226,
0.3275

62.8744, 0.2429,
0.3467

83.1631, 0.3284,
0.3255

■ 61.8696, 0.2377,
0.3500

■ 83.2861, 0.3270,
0.3234

■ 61.1771, 0.2345,
0.3532

■ 83.4106, 0.3256,
0.3213

■ 60.7544, 0.2331,
0.3564

■ 83.5366, 0.3242,
0.3192

■ 60.5747, 0.2329,
0.3586

■ 83.6641, 0.3228,
0.3171

■ 83.7931, 0.3214,
0.3150

Harmonies

Analogous

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



70.6505, 0.2994, 0.3541



70.6505, 0.2813, 0.3347



70.6505, 0.2716, 0.3144

Triad

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



70.6505, 0.2813, 0.3347



70.6505, 0.3028, 0.2948



70.6505, 0.3544, 0.3577

Complementary

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



70.6505, 0.2813, 0.3347



51.0346, 0.3560, 0.3235

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.



70.6505, 0.3556, 0.3412



70.6505, 0.2813, 0.3347



70.6505, 0.3253, 0.3057

Square

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



70.6505, 0.2813, 0.3347



70.6505, 0.2837, 0.2923



70.6505, 0.3448, 0.3224



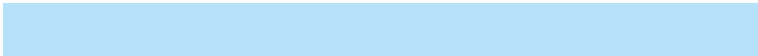
70.6505, 0.3417, 0.3672

Rectangle

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



70.6505, 0.2813, 0.3347



70.6505, 0.2710, 0.3033



70.6505, 0.3448, 0.3224



70.6505, 0.3562, 0.3527

Sweetspot

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



70.6534, 0.2813, 0.3347



96.6632, 0.3028, 0.3306



69.0332, 0.3133, 0.3934



20.6314, 0.3019, 0.3308



0.0000, 0.0000, 0.0000



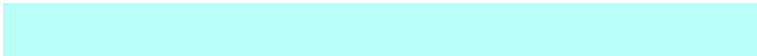
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6534, 0.2813, 0.3347



88.4580, 0.2752, 0.3361



59.8965, 0.2765, 0.3036



16.3119, 0.2994, 0.3312



34.6413, 0.2328, 0.3581



2.5667, 0.2315, 0.3534

Inverse Universe

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



51.0346, 0.3560, 0.3235



59.1051, 0.3686, 0.3222



59.8109, 0.3551, 0.3531



14.3898, 0.3278, 0.3268



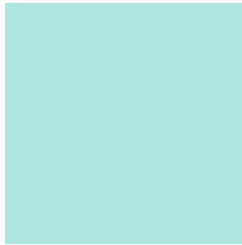
9.5638, 0.6291, 0.3239



0.7143, 0.6030, 0.3096

Previews

White Background



This preview shows how the Yxy color 70.6505, 0.2813, 0.3347 looks on a white background.

Color Contrast Check

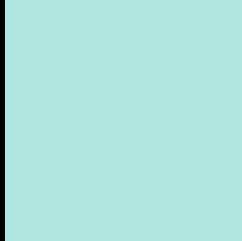
Large Text (above 18pt) WCAG AA × Fail

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 70.6505, 0.2813, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

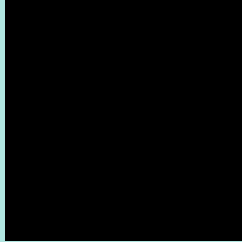
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

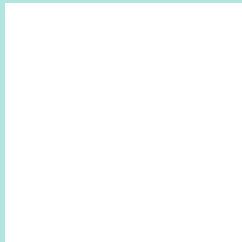
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6505, 0.2813, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 70.6505, 0.2813, 0.3347.

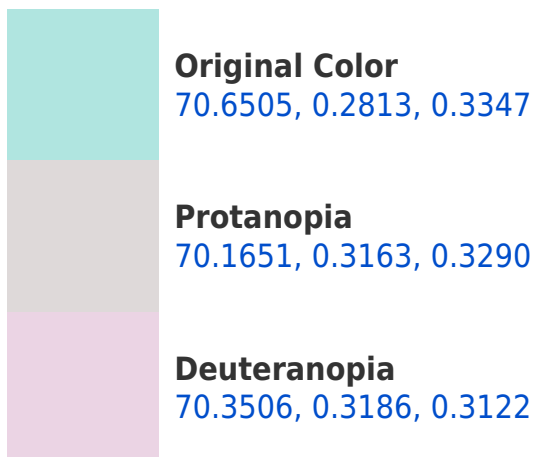


This preview shows how white text looks on a background with the Yxy color 70.6505, 0.2813, 0.3347.

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

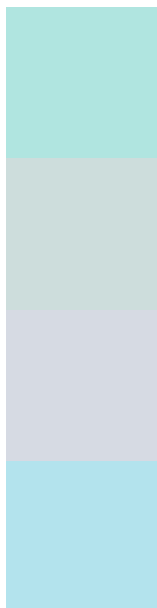




Tritanopia

70.6277, 0.2724, 0.3085

Trichromacy



Original Color

70.6505, 0.2813, 0.3347

Protanomaly

69.8593, 0.3022, 0.3301

Deuteranomaly

69.9850, 0.3040, 0.3191

Tritanomaly

70.6363, 0.2757, 0.3175

Monochromacy



Original Color

70.6505, 0.2813, 0.3347

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.9522, 0.3007, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6505, 0.2813, 0.3347 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, 229, 224)` looks like.

```
.text, #text, p{  
    color:rgb(176, 229, 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(176, 229, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 229, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.6505, 0.2813, 0.3347 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, 229, 224) }
```

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

```
.border{ border-color:rgb(176, 229, 224) }
```

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

Here you see how a box with a 4 pixel rgb(176, 229, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 229, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 229, 224);  
box-shadow:4px 4px 4px 4px rgb(176, 229,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6505, 0.2813, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 229, 224) }
```

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

```
.background{ background-color: rgb(176,  
229, 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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