

Converting Colors

$Yxy(70.4774, 0.2889, 0.3466)$

Have a look what the booklet for
Yxy(70.4774, 0.2889, 0.3466)
contains.

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Color

Yxy(70.4774, 0.2889, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	B3E5D6
RGB	179, 229, 214
RGB Percent	70%, 90%, 84%
CMY	0.2981, 0.1019, 0.1608
CMYK	0.22, 0.00, 0.07, 0.10
HSL	162°, 49%, 80%
HSV	162°, 22%, 90%
XYZ	58.7447, 70.4774, 74.1172
YIQ	212.3400, -24.9850, -15.2650

Conversions

Conversions Part 2

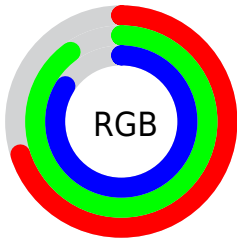
Format	Color
RYB	179, 208, 229
Decimal	11789782
CIELab	87.23, -19.05, 2.05
CIELCh	87, 19.163, 173.860
Yxy	70.4774, 0.2889, 0.3466
Android (android.graphics.Color)	4289979862 (0xFFB3E5D6)
YUV	212.3400, 0.8184, -29.2392
Hunter-Lab	83.9508, -22.0083, 6.4206

Details

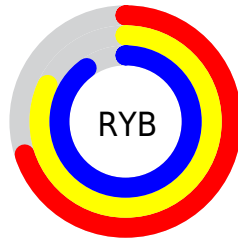
The Yxy color **70.4774, 0.2889, 0.3466** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.7929, 0.3439, 0.3121**, and the grayscale version is **66.0835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **36.7503, 0.2832, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **67.6305, 0.2791, 0.3559**, and if you desaturate by 10%, it is **73.7980, 0.2995, 0.3381**.

Distribution



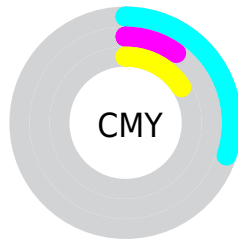
- Red (70%)
- Green (90%)
- Blue (84%)



- Red (70%)
- Yellow (82%)
- Blue (90%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)



- Cyan (30%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4774, 0.2889, 0.3466 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 70.4774, 0.2889, 0.3466 by changing the saturation by 10% instead.

70.4774, 0.2889,
0.3466

70.4774, 0.2889,
0.3466

462.2245, 0.3000,
0.3383

51.9158, 0.2863,
0.3485

119.8893, 0.2928,
0.3437

36.9380, 0.2832,
0.3509

151.5084, 0.2943,
0.3426

25.1595, 0.2791,
0.3540

188.2489, 0.2956,
0.3416

16.1959, 0.2738,
0.3580

230.4950, 0.2967,
0.3408

9.6629, 0.2664,
0.3636

278.6312, 0.2977,
0.3401

5.1760, 0.2557,
0.3719

333.0420, 0.2985,

2.3509, 0.2386,

0.3394

0.3853

394.1116, 0.2993,
0.3389

0.8005, 0.1621,
0.4387

0.0000, 0.0000,
0.0000

70.4774, 0.2889,
0.3466

70.4774, 0.2889,
0.3466

67.6305, 0.2791,
0.3559

73.7980, 0.2995,
0.3381

65.2262, 0.2703,
0.3659


77.6047, 0.3106,
0.3303


63.2428, 0.2629,
0.3766


81.9201, 0.3220,
0.3234

61.6536, 0.2572,
0.3877


83.6834, 0.3226,
0.3168


 60.4285, 0.2534,
0.3991

 84.1033, 0.3181,
0.3102

 59.5330, 0.2516,
0.4106

 84.5228, 0.3139,
0.3039

 58.9258, 0.2518,
0.4221

 58.5892, 0.2531,
0.4313

Harmonies

Analogous

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



70.4774, 0.3109, 0.3638



70.4774, 0.2889, 0.3466



70.4774, 0.2736, 0.3247

Triad

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



70.4774, 0.2889, 0.3466



70.4774, 0.2906, 0.2903



70.4774, 0.3591, 0.3504

Complementary

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



70.4774, 0.2889, 0.3466



52.7929, 0.3439, 0.3121

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.



70.4774, 0.3534, 0.3311



70.4774, 0.2889, 0.3466



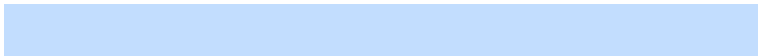
70.4774, 0.3132, 0.2974

Square

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



70.4774, 0.2889, 0.3466



70.4774, 0.2745, 0.2929



70.4774, 0.3363, 0.3120



70.4774, 0.3518, 0.3651

Rectangle

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



70.4774, 0.2889, 0.3466



70.4774, 0.2689, 0.3110



70.4774, 0.3363, 0.3120



70.4774, 0.3587, 0.3443

Sweetspot

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



70.4803, 0.2889, 0.3466



96.4299, 0.3048, 0.3343



70.8770, 0.3208, 0.3879



20.5773, 0.3041, 0.3347



0.0000, 0.0000, 0.0000



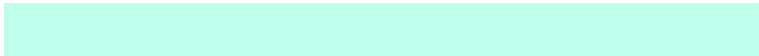
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4803, 0.2889, 0.3466



88.3039, 0.2845, 0.3505



66.3423, 0.2795, 0.3182



16.2588, 0.3021, 0.3362



33.5182, 0.2527, 0.4295



2.4931, 0.2481, 0.4130

Inverse Universe

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



52.7929, 0.3439, 0.3121



62.1104, 0.3519, 0.3086



55.9500, 0.3548, 0.3395



14.4389, 0.3245, 0.3220



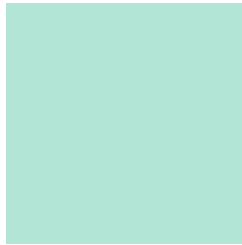
9.7869, 0.5756, 0.2944



0.7392, 0.5339, 0.2715

Previews

White Background



This preview shows how the Yxy color 70.4774, 0.2889, 0.3466 looks on a white background.

Color Contrast Check

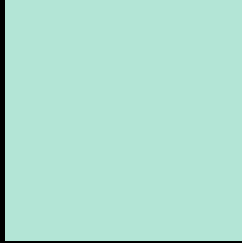
Large Text (above 18pt) WCAG AA × Fail

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 70.4774, 0.2889, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

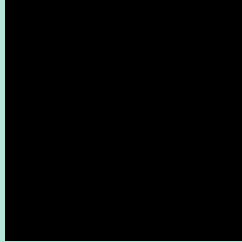
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

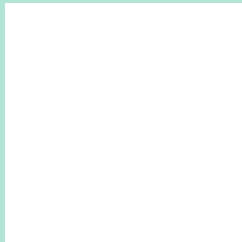
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4774, 0.2889, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 70.4774, 0.2889, 0.3466.

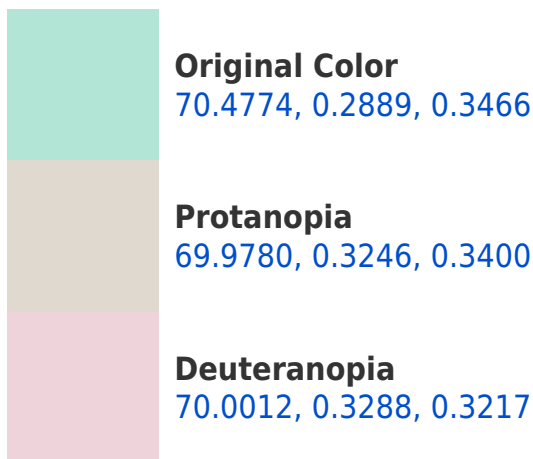


This preview shows how white text looks on a background with the Yxy color 70.4774, 0.2889, 0.3466.

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

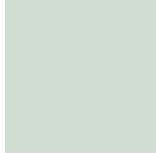
70.6358, 0.2758, 0.3087

Trichromacy



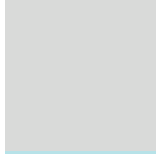
Original Color

70.4774, 0.2889, 0.3466



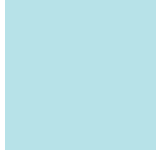
Protanomaly

69.7759, 0.3107, 0.3414



Deuteranomaly

69.9043, 0.3127, 0.3301



Tritanomaly

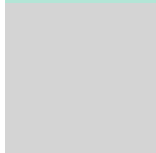
70.2862, 0.2808, 0.3220

Monochromacy



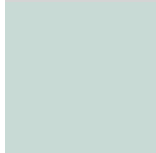
Original Color

70.4774, 0.2889, 0.3466



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.2263, 0.3032, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4774, 0.2889, 0.3466 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(179, 229, 214)` looks like.

```
.text, #text, p{  
    color:rgb(179, 229, 214)  
}
```

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(179, 229, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 229, 214) }
```

Border

The CSS property to change the border of an element to Yxy 70.4774, 0.2889, 0.3466 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(179, 229, 214) }
```

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

```
.border{ border-color:rgb(179, 229, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 229, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 229, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 229, 214);  
box-shadow:4px 4px 4px 4px rgb(179, 229,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4774, 0.2889, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 229, 214) }
```

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

```
.background{ background-color: rgb(179,  
229, 214) }
```

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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