

Converting Colors

$Yxy(70.1854, 0.2919, 0.3477)$

Have a look what the booklet for
Yxy(70.1854, 0.2919, 0.3477)
contains.

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Color

Yxy(70.1854, 0.2919, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	B6E4D4
RGB	182, 228, 212
RGB Percent	71%, 89%, 83%
CMY	0.2863, 0.1059, 0.1685
CMYK	0.20, 0.00, 0.07, 0.11
HSL	159°, 46%, 80%
HSV	159°, 20%, 89%
XYZ	58.9218, 70.1854, 72.7490
YIQ	212.4220, -22.2800, -14.7280

Conversions

Conversions Part 2

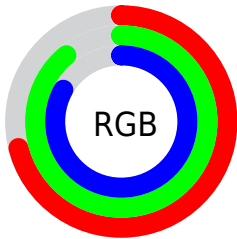
Format	Color
RYB	182, 210, 228
Decimal	11986132
CIELab	87.09, -18.01, 2.89
CIElCh	87, 18.241, 170.875
Yxy	70.1854, 0.2919, 0.3477
Android (android.graphics.Color)	4290176212 (0xFFB6E4D4)
YUV	212.4220, -0.2080, -26.6801
Hunter-Lab	83.7767, -21.0667, 7.1582

Details

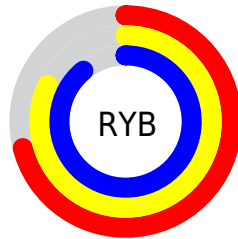
The Yxy color **70.1854, 0.2919, 0.3477** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.0276, 0.3392, 0.3111**, and the grayscale version is **66.1494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **36.5286, 0.2869, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **67.2447, 0.2825, 0.3584**, and if you desaturate by 10%, it is **73.6035, 0.3020, 0.3379**.

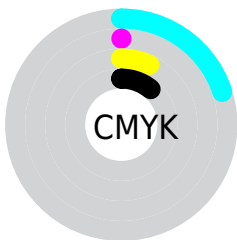
Distribution



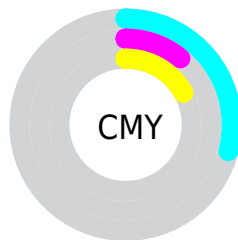
- Red (71%)
- Green (89%)
- Blue (83%)



- Red (71%)
- Yellow (82%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1854, 0.2919, 0.3477 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 70.1854, 0.2919, 0.3477 by changing the saturation by 10% instead.

 70.1854, 0.2919,
0.3477

 70.1854, 0.2919,
0.3477


461.2007, 0.3016,
0.3389

 51.6777, 0.2896,
0.3498


 119.4731, 0.2953,
0.3446

 36.7482, 0.2868,
0.3523

151.0219, 0.2966,
0.3434

 25.0126, 0.2833,
0.3556


187.6865, 0.2978,
0.3424

 16.0865, 0.2786,
0.3600

229.8514, 0.2987,
0.3415

 9.5854, 0.2720,
0.3660

277.9008, 0.2996,
0.3407

 5.1249, 0.2625,
0.3750

332.2192, 0.3004,

 2.3207, 0.2471,


0.3400


0.3898


393.1911, 0.3010,
0.3394


 0.7847, 0.1756,
0.4502

 0.0000, 0.0000,
0.0000


 70.1854, 0.2919,
0.3477

 70.1854, 0.2919,
0.3477


 67.2447, 0.2825,
0.3584


 73.6035, 0.3020,
0.3379


 64.7504, 0.2740,
0.3700

 77.5109, 0.3125,
0.3291


 62.6817, 0.2668,
0.3823


 81.9298, 0.3232,
0.3213

 61.0122, 0.2612,
0.3953

 83.2609, 0.3212,
0.3137

 59.7127, 0.2574,
0.4086

 83.7514, 0.3161,
0.3061

 58.7500, 0.2557,
0.4221

 83.9677, 0.3139,
0.3029

 58.0843, 0.2560,
0.4355

 57.6526, 0.2579,
0.4485

Harmonies

Analogous

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



70.1854, 0.3133, 0.3632



70.1854, 0.2919, 0.3477



70.1854, 0.2764, 0.3270

Triad

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



70.1854, 0.2919, 0.3477



70.1854, 0.2898, 0.2919



70.1854, 0.3569, 0.3478

Complementary

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



70.1854, 0.2919, 0.3477



54.0276, 0.3392, 0.3111

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.



70.1854, 0.3503, 0.3292



70.1854, 0.2919, 0.3477



70.1854, 0.3109, 0.2977

Square

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



70.1854, 0.2919, 0.3477



70.1854, 0.2752, 0.2953



70.1854, 0.3332, 0.3112



70.1854, 0.3512, 0.3624

Rectangle

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



70.1854, 0.2919, 0.3477



70.1854, 0.2712, 0.3137



70.1854, 0.3332, 0.3112



70.1854, 0.3561, 0.3418

Sweetspot

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



70.1883, 0.2919, 0.3477



96.8754, 0.3063, 0.3342



70.8850, 0.3213, 0.3828



20.6656, 0.3056, 0.3348



0.0000, 0.0000, 0.0000



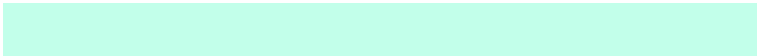
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1883, 0.2919, 0.3477



88.8892, 0.2880, 0.3518



67.3138, 0.2821, 0.3209



16.2469, 0.3028, 0.3373



33.3134, 0.2574, 0.4464



2.4791, 0.2520, 0.4272

Inverse Universe

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



54.0276, 0.3392, 0.3111



64.6633, 0.3458, 0.3073



56.2254, 0.3513, 0.3370



14.4502, 0.3238, 0.3209



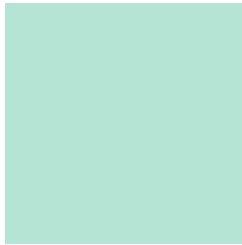
9.8717, 0.5582, 0.2849



0.7465, 0.5174, 0.2624

Previews

White Background



This preview shows how the Yxy color 70.1854, 0.2919, 0.3477 looks on a white background.

Color Contrast Check

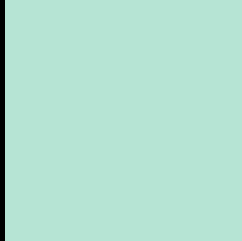
Large Text (above 18pt) WCAG AA × Fail

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 70.1854, 0.2919, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

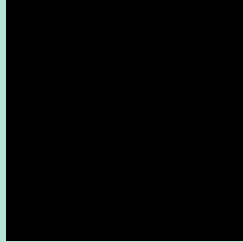
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

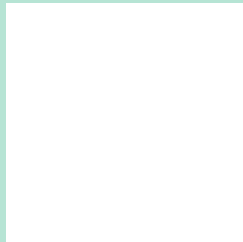
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1854, 0.2919, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 70.1854, 0.2919, 0.3477.

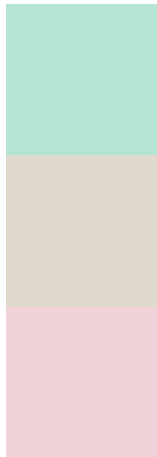


This preview shows how white text looks on a background with the Yxy color 70.1854, 0.2919, 0.3477.

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

70.1854, 0.2919, 0.3477

Protanopia

69.9292, 0.3253, 0.3411

Deuteranopia

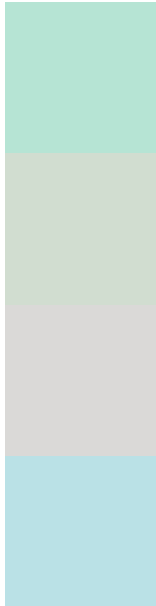
69.8971, 0.3302, 0.3238



Tritanopia

70.3535, 0.2786, 0.3098

Trichromacy



Original Color

70.1854, 0.2919, 0.3477

Protanomaly

69.8223, 0.3127, 0.3437

Deuteranomaly

69.4374, 0.3148, 0.3312

Tritanomaly

70.0027, 0.2837, 0.3232

Monochromacy



Original Color

70.1854, 0.2919, 0.3477

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.3138, 0.3046, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1854, 0.2919, 0.3477 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(182, 228, 212)` looks like.

```
.text, #text, p{  
    color:rgb(182, 228, 212)  
}
```

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(182, 228, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 228, 212) }
```

Border

The CSS property to change the border of an element to Yxy 70.1854, 0.2919, 0.3477 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(182, 228, 212) }
```

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

```
.border{ border-color:rgb(182, 228, 212) }
```

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

Here you see how a box with a 4 pixel rgb(182, 228, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 228, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 228, 212);  
box-shadow:4px 4px 4px 4px rgb(182, 228,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1854, 0.2919, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 228, 212) }
```

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

```
.background{ background-color: rgb(182,  
228, 212) }
```

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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