

Converting Colors

$Yxy(70.0640, 0.2913, 0.3478)$

Have a look what the booklet for
Yxy(70.0640, 0.2913, 0.3478)
contains.

Yxy(70.0640, 0.2913, 0.3478)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.0640, 0.2913, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	B5E4D4
RGB	181, 228, 212
RGB Percent	71%, 89%, 83%
CMY	0.2902, 0.1059, 0.1687
CMYK	0.21, 0.00, 0.07, 0.11
HSL	160°, 47%, 80%
HSV	160°, 21%, 89%
XYZ	58.6821, 70.0640, 72.7030
YIQ	212.1230, -22.8760, -14.9400

Conversions

Conversions Part 2

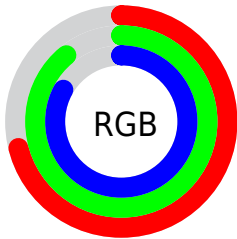
Format	Color
RYB	181, 209, 228
Decimal	11920596
CIELab	87.03, -18.33, 2.83
CIELCh	87, 18.550, 171.233
Yxy	70.0640, 0.2913, 0.3478
Android (android.graphics.Color)	4290110676 (0xFFB5E4D4)
YUV	212.1230, -0.0606, -27.2949
Hunter-Lab	83.7042, -21.3423, 7.0955

Details

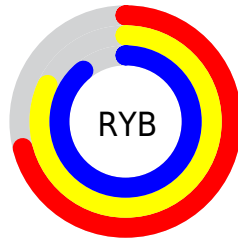
The Yxy color **70.0640, 0.2913, 0.3478** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.5794, 0.3402, 0.3110**, and the grayscale version is **65.9379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **36.4514, 0.2861, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **67.1493, 0.2818, 0.3583**, and if you desaturate by 10%, it is **73.4544, 0.3015, 0.3382**.

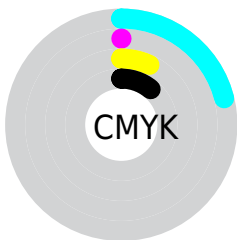
Distribution



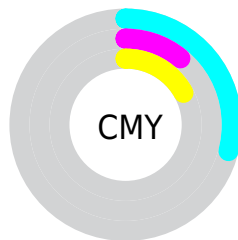
- Red (71%)
- Green (89%)
- Blue (83%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0640, 0.2913, 0.3478 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 70.0640, 0.2913, 0.3478 by changing the saturation by 10% instead.

 70.0640, 0.2913,
0.3478

 70.0640, 0.2913,
0.3478


460.7747, 0.3013,
0.3389

 51.5787, 0.2890,
0.3499


 119.3000, 0.2948,
0.3447

 36.6694, 0.2861,
0.3524


150.8195, 0.2962,
0.3435

 24.9516, 0.2824,
0.3557


187.4526, 0.2973,
0.3425

 16.0410, 0.2776,
0.3601

229.5836, 0.2983,
0.3416

 9.5532, 0.2709,
0.3662

277.5969, 0.2992,
0.3408

 5.1037, 0.2610,
0.3753

331.8769, 0.3000,

 2.3082, 0.2452,

0.3401

392.8080, 0.3007,
0.3395

0.3902

0.7781, 0.1698,
0.4525

0.0000, 0.0000,
0.0000

70.0640, 0.2913,
0.3478

70.0640, 0.2913,
0.3478

67.1493, 0.2818,
0.3583

73.4544, 0.3015,
0.3382

64.6795, 0.2733,
0.3697

77.3326, 0.3121,
0.3295


62.6334, 0.2661,
0.3819

81.7208, 0.3228,
0.3217

60.9848, 0.2606,
0.3946


83.2255, 0.3216,
0.3143


 59.7042, 0.2568,
0.4077

 83.7055, 0.3166,
0.3068

 58.7582, 0.2551,
0.4209

 83.9696, 0.3139,
0.3029

 58.1067, 0.2555,
0.4341

 57.6997, 0.2573,
0.4462

Harmonies

Analogous

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



70.0640, 0.3130, 0.3637



70.0640, 0.2913, 0.3478



70.0640, 0.2757, 0.3267

Triad

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



70.0640, 0.2913, 0.3478



70.0640, 0.2896, 0.2913



70.0640, 0.3577, 0.3483

Complementary

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



70.0640, 0.2913, 0.3478



53.5794, 0.3402, 0.3110

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.



70.0640, 0.3511, 0.3294



70.0640, 0.2913, 0.3478



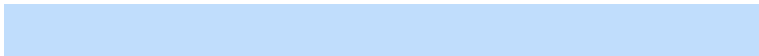
70.0640, 0.3111, 0.2973

Square

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



70.0640, 0.2913, 0.3478



70.0640, 0.2747, 0.2946



70.0640, 0.3338, 0.3111



70.0640, 0.3518, 0.3631

Rectangle

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



70.0640, 0.2913, 0.3478



70.0640, 0.2705, 0.3132



70.0640, 0.3338, 0.3111



70.0640, 0.3569, 0.3422

Sweetspot

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



70.0669, 0.2913, 0.3478



96.8813, 0.3063, 0.3341



70.7584, 0.3215, 0.3840



20.6670, 0.3056, 0.3347



0.0000, 0.0000, 0.0000



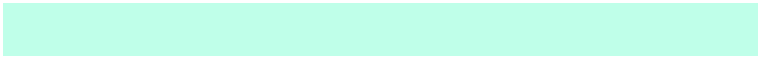
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0669, 0.2913, 0.3478



88.5269, 0.2869, 0.3525



67.1162, 0.2815, 0.3207



16.2485, 0.3027, 0.3371



33.3393, 0.2567, 0.4442



2.4809, 0.2515, 0.4253

Inverse Universe

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



53.5794, 0.3402, 0.3110



63.4343, 0.3479, 0.3068



55.8231, 0.3523, 0.3371



14.4487, 0.3239, 0.3210



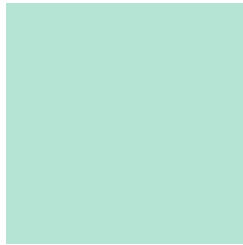
9.8598, 0.5605, 0.2862



0.7455, 0.5196, 0.2636

Previews

White Background



This preview shows how the Yxy color 70.0640, 0.2913, 0.3478 looks on a white background.

Color Contrast Check

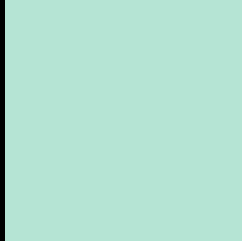
Large Text (above 18pt) WCAG AA × Fail

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 70.0640, 0.2913, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

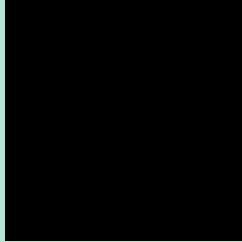
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

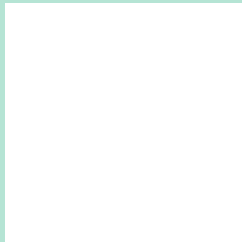
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0640, 0.2913, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 70.0640, 0.2913, 0.3478.

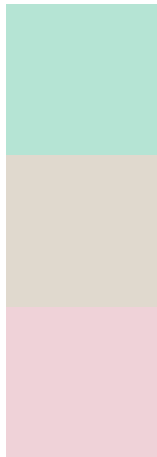


This preview shows how white text looks on a background with the Yxy color 70.0640, 0.2913, 0.3478.

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

70.0640, 0.2913, 0.3478

Protanopia

69.9292, 0.3253, 0.3411

Deuteranopia

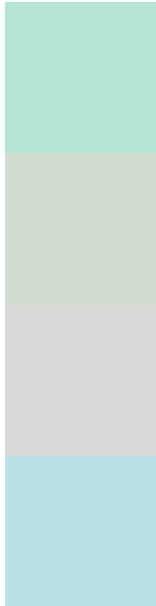
69.4018, 0.3303, 0.3227



Tritanopia

70.2270, 0.2780, 0.3098

Trichromacy



Original Color

70.0640, 0.2913, 0.3478

Protanomaly

69.6769, 0.3120, 0.3437

Deuteranomaly

69.4374, 0.3148, 0.3312

Tritanomaly

69.8779, 0.2831, 0.3232

Monochromacy



Original Color

70.0640, 0.2913, 0.3478

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 70.0640, 0.2913, 0.3478 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(181, 228, 212)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 228, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 228, 212) }
```

Border

The CSS property to change the border of an element to Yxy 70.0640, 0.2913, 0.3478 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(181, 228, 212) }
```

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

```
.border{ border-color:rgb(181, 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(181, 228, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 228, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 228, 212);  
box-shadow:4px 4px 4px 4px rgb(181, 228,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0640, 0.2913, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 228, 212) }
```

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

```
.background{ background-color: rgb(181,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor