

Converting Colors

$Yxy(70.6873, 0.2928, 0.3482)$

Have a look what the booklet for
Yxy(70.6873, 0.2928, 0.3482)
contains.

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Color

Yxy(70.8594, 0.2926, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	B7E5D4
RGB	183, 229, 212
RGB Percent	72%, 90%, 83%
CMY	0.2822, 0.1020, 0.1685
CMYK	0.20, 0.00, 0.07, 0.10
HSL	158°, 47%, 81%
HSV	158°, 20%, 90%
XYZ	59.4423, 70.8594, 72.8503
YIQ	213.3080, -21.9590, -15.0390

Conversions

Conversions Part 2

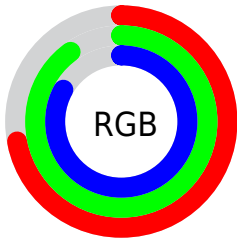
Format	Color
RYB	183, 211, 229
Decimal	12051924
CIELab	87.42, -18.18, 3.38
CIELCh	87, 18.488, 169.470
Yxy	70.8594, 0.2926, 0.3488
Android (android.graphics.Color)	4290242004 (0xFFB7E5D4)
YUV	213.3080, -0.6448, -26.5801
Hunter-Lab	84.1780, -21.2639, 7.6132

Details

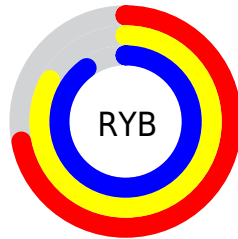
The Yxy color **70.8594, 0.2926, 0.3488** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.7137, 0.3382, 0.3101**, and the grayscale version is **66.7801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **36.9886, 0.2878, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **67.8625, 0.2834, 0.3602**, and if you desaturate by 10%, it is **74.3414, 0.3024, 0.3384**.

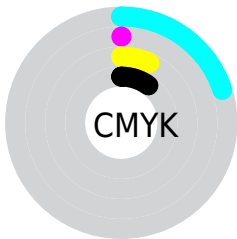
Distribution



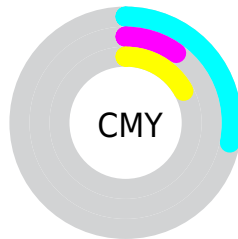
- Red (72%)
- Green (90%)
- Blue (83%)



- Red (72%)
- Yellow (83%)
- Blue (90%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)





- Cyan (28%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8594, 0.2926, 0.3488 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 70.8594, 0.2926, 0.3488 by changing the saturation by 10% instead.


 70.8594, 0.2926,
0.3488

 70.8594, 0.2926,
0.3488


463.5618, 0.3020,
0.3395

 52.2275, 0.2904,
0.3510


 120.4335, 0.2959,
0.3455

 37.1864, 0.2877,
0.3537


152.1445, 0.2972,
0.3443

 25.3519, 0.2843,
0.3572


188.9839, 0.2983,
0.3432

 16.3394, 0.2797,
0.3618

231.3362, 0.2992,
0.3422

 9.7646, 0.2734,
0.3682

279.5857, 0.3000,
0.3414

 5.2432, 0.2642,
0.3777

334.1169, 0.3008,

 2.3906, 0.2494,

0.3407

395.3141, 0.3014,
0.3401

0.3933

0.8211, 0.1854,
0.4522

0.0000, 0.0000,
0.0000

70.8594, 0.2926,
0.3488

70.8594, 0.2926,
0.3488

67.8625, 0.2834,
0.3602

74.3414, 0.3024,
0.3384

65.3194, 0.2751,
0.3726


78.3206, 0.3126,
0.3291


63.2088, 0.2681,
0.3858


82.8195, 0.3230,
0.3207


61.5043, 0.2627,
0.3996

83.9387, 0.3197,
0.3126


 60.1763, 0.2591,
0.4139

 84.4693, 0.3143,
0.3045

 59.1911, 0.2575,
0.4283

 84.5143, 0.3139,
0.3039

 58.5085, 0.2580,
0.4426

 58.0617, 0.2602,
0.4565

Harmonies

Analogous

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



70.8594, 0.3143, 0.3641



70.8594, 0.2926, 0.3488



70.8594, 0.2766, 0.3280

Triad

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



70.8594, 0.2926, 0.3488



70.8594, 0.2887, 0.2915



70.8594, 0.3574, 0.3472

Complementary

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



70.8594, 0.2926, 0.3488



54.7137, 0.3382, 0.3101

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.



70.8594, 0.3501, 0.3283



70.8594, 0.2926, 0.3488



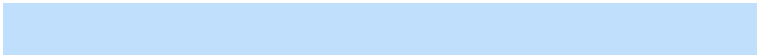
70.8594, 0.3098, 0.2970

Square

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



70.8594, 0.2926, 0.3488



70.8594, 0.2744, 0.2953



70.8594, 0.3324, 0.3102



70.8594, 0.3522, 0.3622

Rectangle

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



70.8594, 0.2926, 0.3488



70.8594, 0.2710, 0.3144



70.8594, 0.3324, 0.3102



70.8594, 0.3563, 0.3410

Sweetspot

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



70.8623, 0.2926, 0.3488



96.8543, 0.3065, 0.3345



71.8255, 0.3223, 0.3823



20.6606, 0.3059, 0.3351



0.0000, 0.0000, 0.0000



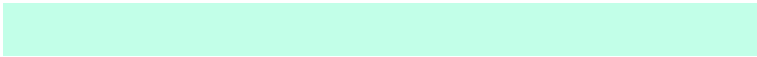
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8623, 0.2926, 0.3488



88.8122, 0.2888, 0.3533



68.8435, 0.2824, 0.3227



16.2414, 0.3031, 0.3378



33.2234, 0.2596, 0.4544



2.4729, 0.2539, 0.4339

Inverse Universe

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



54.7137, 0.3382, 0.3101



64.7329, 0.3448, 0.3060



56.2184, 0.3514, 0.3352



14.4555, 0.3235, 0.3204



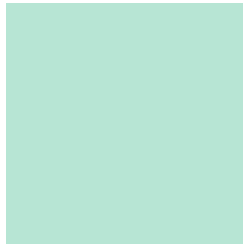
9.9164, 0.5496, 0.2801



0.7502, 0.5096, 0.2581

Previews

White Background



This preview shows how the Yxy color 70.8594, 0.2926, 0.3488 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 70.8594, 0.2926, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

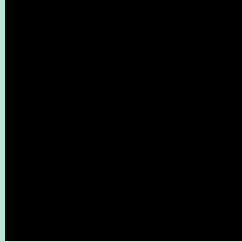
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

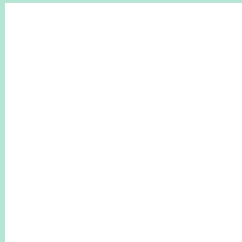
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8594, 0.2926, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 70.8594, 0.2926, 0.3488.

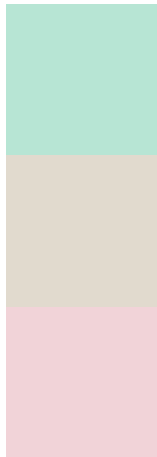


This preview shows how white text looks on a background with the Yxy color 70.8594, 0.2926, 0.3488.

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

70.8594, 0.2926, 0.3488

Protanopia

70.6066, 0.3260, 0.3422

Deuteranopia

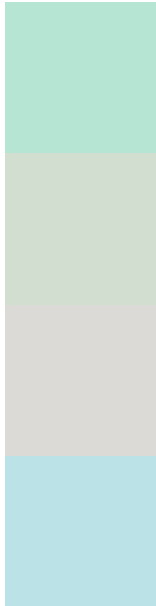
70.2472, 0.3317, 0.3238



Tritanopia

70.5409, 0.2787, 0.3087

Trichromacy



Original Color

70.8594, 0.2926, 0.3488

Protanomaly

70.4983, 0.3134, 0.3448

Deuteranomaly

70.2647, 0.3162, 0.3323

Tritanomaly

70.7270, 0.2839, 0.3232

Monochromacy



Original Color

70.8594, 0.2926, 0.3488

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.0237, 0.3046, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8594, 0.2926, 0.3488 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(183, 229, 212)` looks like.

```
.text, #text, p{  
    color:rgb(183, 229, 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(183, 229, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 229, 212) }
```

Border

The CSS property to change the border of an element to Yxy 70.8594, 0.2926, 0.3488 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(183, 229, 212) }
```

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

```
.border{ border-color:rgb(183, 229, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 229, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 229, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 229, 212); box-shadow:4px 4px 4px 4px rgb(183, 229, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8594, 0.2926, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 229, 212) }
```

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

```
.background{ background-color: rgb(183,  
229, 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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