

Converting Colors

$Yxy(70.8442, 0.2839, 0.3473)$

Have a look what the booklet for
Yxy(70.8442, 0.2839, 0.3473)
contains.

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Color

Yxy(70.8288, 0.2842, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	ACE7D7
RGB	172, 231, 215
RGB Percent	67%, 91%, 84%
CMY	0.3253, 0.0941, 0.1569
CMYK	0.26, 0.00, 0.07, 0.09
HSL	164°, 55%, 79%
HSV	164°, 26%, 91%
XYZ	57.8601, 70.8288, 74.9006
YIQ	211.5350, -30.0280, -17.4840

Conversions

Conversions Part 2

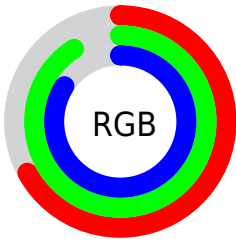
Format	Color
RYB	172, 206, 231
Decimal	11331543
CIELab	87.40, -21.94, 1.73
CIELCh	87, 22.008, 175.499
Yxy	70.8288, 0.2842, 0.3479
Android (android.graphics.Color)	4289521623 (0xFFACE7D7)
YUV	211.5350, 1.7082, -34.6722
Hunter-Lab	84.1598, -24.5605, 6.1450

Details

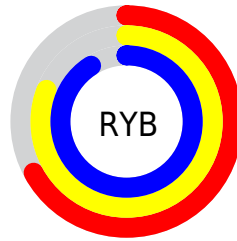
The Yxy color **70.8288, 0.2842, 0.3479** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.1439, 0.3523, 0.3110**, and the grayscale version is **65.5236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **37.0496, 0.2774, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **68.1240, 0.2744, 0.3565**, and if you desaturate by 10%, it is **74.0061, 0.2949, 0.3399**.

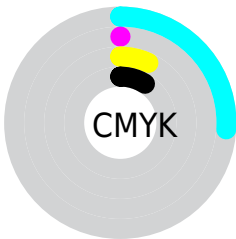
Distribution



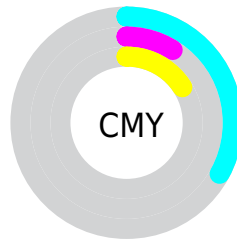
- Red (67%)
- Green (91%)
- Blue (84%)



- Red (67%)
- Yellow (81%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)





- Cyan (33%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8288, 0.2842, 0.3479 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 70.8288, 0.2842, 0.3479 by changing the saturation by 10% instead.


 70.8288, 0.2842,
0.3479

 70.8288, 0.2842,
0.3479

463.4547, 0.2975,
0.3391

 52.2025, 0.2811,
0.3499


 120.3899, 0.2888,
0.3448

 37.1665, 0.2774,
0.3525


152.0935, 0.2906,
0.3436

 25.3364, 0.2725,
0.3557


188.9250, 0.2922,
0.3426

 16.3279, 0.2662,
0.3600

231.2688, 0.2935,
0.3417

 9.7565, 0.2576,
0.3660

279.5093, 0.2947,
0.3409

 5.2378, 0.2449,
0.3747

334.0308, 0.2957,

 2.3874, 0.2250,

0.3402

0.3887

395.2179, 0.2966,
0.3396

0.8194, 0.1326,
0.4468

0.0000, 0.0000,
0.0000

70.8288, 0.2842,
0.3479

70.8288, 0.2842,
0.3479

68.1240, 0.2744,
0.3565

74.0061, 0.2949,
0.3399

65.8593, 0.2658,
0.3658

77.6691, 0.3063,
0.3327

64.0119, 0.2588,
0.3755

81.8413, 0.3180,
0.3262

62.5534, 0.2535,
0.3855

84.7066, 0.3233,
0.3201

■ 61.4515, 0.2502,
0.3958

■ 85.0862, 0.3193,
0.3141

■ 60.6691, 0.2489,
0.4061

■ 85.4788, 0.3153,
0.3081

■ 60.1600, 0.2496,
0.4163

■ 85.6304, 0.3138,
0.3058

■ 59.9871, 0.2503,
0.4209

Harmonies

Analogous

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



70.8288, 0.3090, 0.3683



70.8288, 0.2842, 0.3479



70.8288, 0.2673, 0.3225

Triad

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



70.8288, 0.2842, 0.3479



70.8288, 0.2887, 0.2851



70.8288, 0.3659, 0.3544

Complementary

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



70.8288, 0.2842, 0.3479



50.1439, 0.3523, 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.



70.8288, 0.3602, 0.3325



70.8288, 0.2842, 0.3479



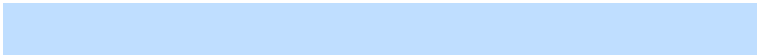
70.8288, 0.3146, 0.2937

Square

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



70.8288, 0.2842, 0.3479



70.8288, 0.2698, 0.2872



70.8288, 0.3411, 0.3107



70.8288, 0.3567, 0.3709

Rectangle

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



70.8288, 0.2842, 0.3479



70.8288, 0.2625, 0.3070



70.8288, 0.3411, 0.3107



70.8288, 0.3657, 0.3474

Sweetspot

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



70.8317, 0.2842, 0.3479



95.9824, 0.3034, 0.3345



70.9174, 0.3207, 0.3993



20.3923, 0.3016, 0.3355



0.0000, 0.0000, 0.0000



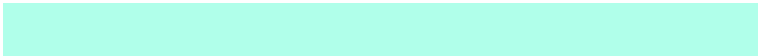
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8317, 0.2842, 0.3479



86.6577, 0.2785, 0.3527



64.8044, 0.2740, 0.3138



16.2661, 0.3018, 0.3355



33.6523, 0.2498, 0.4193



2.5022, 0.2457, 0.4044

Inverse Universe

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



50.1439, 0.3523, 0.3110



56.3416, 0.3642, 0.3068



54.5906, 0.3633, 0.3437



14.4320, 0.3250, 0.3226



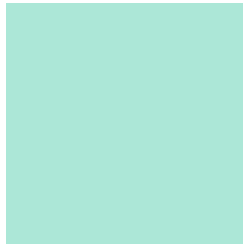
9.7416, 0.5854, 0.2999



0.7351, 0.5438, 0.2769

Previews

White Background



This preview shows how the Yxy color 70.8288, 0.2842, 0.3479 looks on a white background.

Color Contrast Check

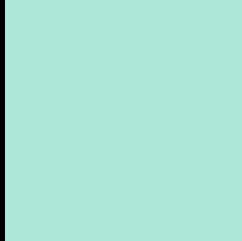
Large Text (above 18pt) WCAG AA × Fail

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 70.8288, 0.2842, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

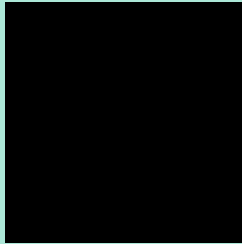
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

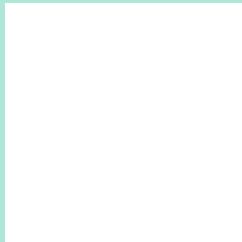
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8288, 0.2842, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 70.8288, 0.2842, 0.3479.

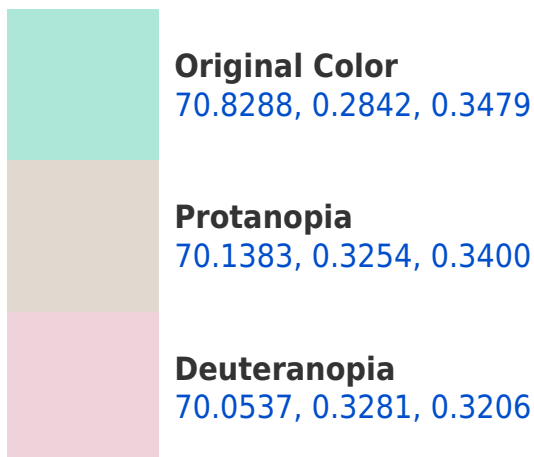


This preview shows how white text looks on a background with the Yxy color 70.8288, 0.2842, 0.3479.

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

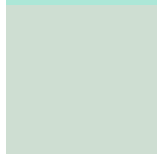
70.9957, 0.2708, 0.3085

Trichromacy



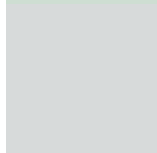
Original Color

70.8288, 0.2842, 0.3479



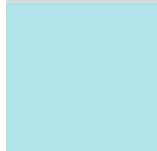
Protanomaly

70.0175, 0.3093, 0.3426



Deuteranomaly

69.6518, 0.3106, 0.3290



Tritanomaly

70.6574, 0.2757, 0.3220

Monochromacy



Original Color

70.8288, 0.2842, 0.3479



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.3374, 0.3011, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8288, 0.2842, 0.3479 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(172, 231, 215)` looks like.

```
.text, #text, p{  
    color:rgb(172, 231, 215)  
}
```

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(172, 231, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 231, 215) }
```

Border

The CSS property to change the border of an element to Yxy 70.8288, 0.2842, 0.3479 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(172, 231, 215) }
```

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

```
.border{ border-color:rgb(172, 231, 215) }
```

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

Here you see how a box with a 4 pixel rgb(172, 231, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 231, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 231, 215);  
box-shadow:4px 4px 4px 4px rgb(172, 231,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8288, 0.2842, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 231, 215) }
```

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

```
.background{ background-color: rgb(172,  
231, 215) }
```

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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