

Converting Colors

$Yxy(70.0932, 0.2887, 0.3436)$

Have a look what the booklet for
Yxy(70.0932, 0.2887, 0.3436)
contains.

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Color

Yxy(70.0964, 0.2889, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	B4E4D7
RGB	180, 228, 215
RGB Percent	71%, 89%, 84%
CMY	0.2940, 0.1059, 0.1569
CMYK	0.21, 0.00, 0.06, 0.11
HSL	164°, 47%, 80%
HSV	164°, 21%, 89%
XYZ	58.8345, 70.0964, 74.7193
YIQ	212.1660, -24.4350, -14.2190

Conversions

Conversions Part 2

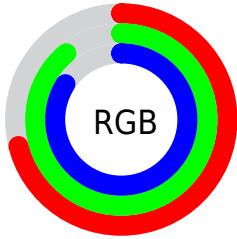
Format	Color
R _Y B	180, 208, 228
Decimal	11855063
CIE Lab	87.04, -18.03, 1.25
CIE LCh	87, 18.077, 176.024
Yxy	70.0964, 0.2889, 0.3442
Android (android.graphics.Color)	4290045143 (0xFFB4E4D7)
YUV	212.1660, 1.3972, -28.2096
Hunter-Lab	83.7236, -21.0801, 5.6931

Details

The Yxy color **70.0964, 0.2889, 0.3442** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.9955, 0.3437, 0.3144**, and the grayscale version is **65.9610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **36.4787, 0.2831, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **67.2722, 0.2787, 0.3525**, and if you desaturate by 10%, it is **73.3884, 0.2999, 0.3366**.

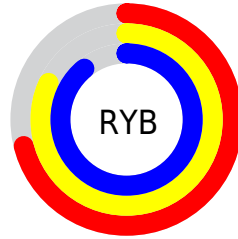
Distribution



Red (71%)

Green (89%)

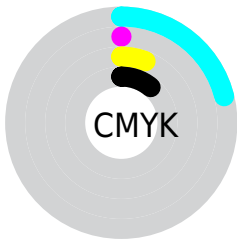
Blue (84%)



Red (71%)

Yellow (82%)

Blue (89%)

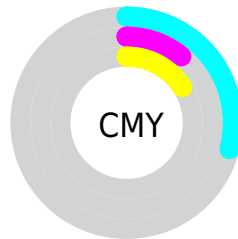


Cyan (21%)

Magenta (0%)

Yellow (6%)

Black (11%)



Cyan (29%)


Magenta (11%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0964, 0.2889, 0.3442 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 70.0964, 0.2889, 0.3442 by changing the saturation by 10% instead.

 70.0964, 0.2889,
0.3442

 70.0964, 0.2889,
0.3442


460.8884, 0.3000,
0.3371

 51.6051, 0.2863,
0.3458


 119.3462, 0.2928,
0.3417

 36.6904, 0.2832,
0.3479


150.8736, 0.2943,
0.3408

 24.9679, 0.2791,
0.3505


187.5150, 0.2956,
0.3399

 16.0531, 0.2738,
0.3540


229.6551, 0.2967,
0.3392

 9.5618, 0.2665,
0.3587

277.6780, 0.2977,
0.3386

 5.1094, 0.2558,
0.3658

331.9683, 0.2985,

 2.3116, 0.2388,

0.3380

392.9103, 0.2993,
0.3375

0.3771

0.7798, 0.1634,
0.4233

0.0000, 0.0000,
0.0000

70.0964, 0.2889,
0.3442

70.0964, 0.2889,
0.3442

67.2722, 0.2787,
0.3525

73.3884, 0.2999,
0.3366

64.8852, 0.2695,
0.3614


77.1603, 0.3115,
0.3297

62.9141, 0.2617,
0.3709


81.4342, 0.3233,
0.3235

61.3328, 0.2556,
0.3808


83.0213, 0.3238,
0.3175

 60.1118, 0.2514,
0.3910


 83.3941, 0.3198,
0.3115

 59.2176, 0.2492,
0.4013

 83.7796, 0.3158,
0.3057

 58.6099, 0.2490,
0.4115

 83.9673, 0.3139,
0.3029

 58.2490, 0.2502,
0.4206

Harmonies

Analogous

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



70.0964, 0.3094, 0.3609



70.0964, 0.2889, 0.3442



70.0964, 0.2750, 0.3235

Triad

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



70.0964, 0.2889, 0.3442



70.0964, 0.2932, 0.2926



70.0964, 0.3564, 0.3506

Complementary

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



70.0964, 0.2889, 0.3442



52.9955, 0.3437, 0.3144

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.



70.0964, 0.3519, 0.3324



70.0964, 0.2889, 0.3442



70.0964, 0.3148, 0.2998

Square

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



70.0964, 0.2889, 0.3442



70.0964, 0.2774, 0.2943



70.0964, 0.3365, 0.3142



70.0964, 0.3488, 0.3639

Rectangle

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



70.0964, 0.2889, 0.3442



70.0964, 0.2710, 0.3107



70.0964, 0.3365, 0.3142



70.0964, 0.3563, 0.3448

Sweetspot

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



70.0993, 0.2889, 0.3442



96.9487, 0.3057, 0.3330



70.2017, 0.3194, 0.3857



20.6829, 0.3049, 0.3335



0.0000, 0.0000, 0.0000



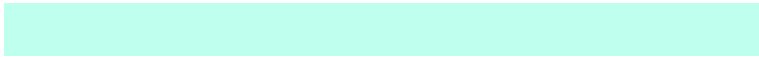
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0993, 0.2889, 0.3442



88.7860, 0.2846, 0.3475



65.2452, 0.2806, 0.3167



16.2663, 0.3017, 0.3354



33.6557, 0.2497, 0.4190



2.5024, 0.2456, 0.4042

Inverse Universe

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



52.9955, 0.3437, 0.3144



63.2105, 0.3515, 0.3113



56.7973, 0.3526, 0.3409



14.4318, 0.3250, 0.3227



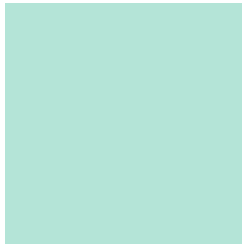
9.7406, 0.5857, 0.3000



0.7350, 0.5440, 0.2770

Previews

White Background



This preview shows how the Yxy color 70.0964, 0.2889, 0.3442 looks on a white background.

Color Contrast Check

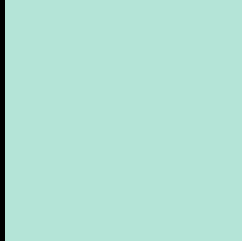
Large Text (above 18pt) WCAG AA × Fail

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 70.0964, 0.2889, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

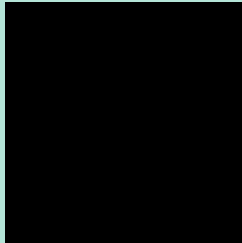
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

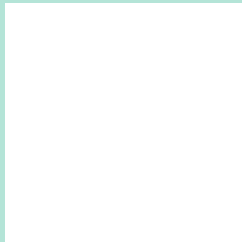
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0964, 0.2889, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 70.0964, 0.2889, 0.3442.

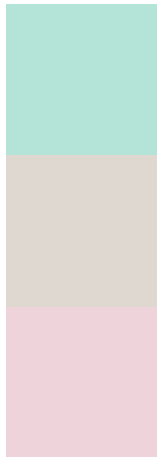


This preview shows how white text looks on a background with the Yxy color 70.0964, 0.2889, 0.3442.

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

70.0964, 0.2889, 0.3442

Protanopia

69.4032, 0.3226, 0.3367

Deuteranopia

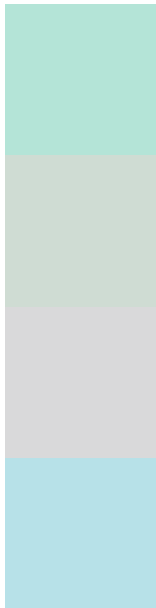
69.8801, 0.3273, 0.3206



Tritanopia

70.0364, 0.2762, 0.3086

Trichromacy



Original Color

70.0964, 0.2889, 0.3442

Protanomaly

69.1549, 0.3094, 0.3392

Deuteranomaly

69.4394, 0.3120, 0.3279

Tritanomaly

69.7439, 0.2807, 0.3209

Monochromacy



Original Color

70.0964, 0.2889, 0.3442

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 70.0964, 0.2889, 0.3442 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(180, 228, 215)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 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(180, 228, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 215) }
```

Border

The CSS property to change the border of an element to Yxy 70.0964, 0.2889, 0.3442 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(180, 228, 215) }
```

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

```
.border{ border-color:rgb(180, 228, 215) }
```

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

Here you see how a box with a 4 pixel rgb(180, 228, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 215);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0964, 0.2889, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 215) }
```

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

```
.background{ background-color: rgb(180,  
228, 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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