

Converting Colors

$Yxy(70.6084, 0.3017, 0.3634)$

Have a look what the booklet for
Yxy(70.6084, 0.3017, 0.3634)
contains.

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Color

Yxy(70.6479, 0.3017, 0.3632)

Conversions

Conversions Part 1

Format	Color
Hex	BAE5C8
RGB	186, 229, 200
RGB Percent	73%, 90%, 78%
CMY	0.2708, 0.1019, 0.2157
CMYK	0.19, 0.00, 0.13, 0.10
HSL	140°, 45%, 81%
HSV	140°, 19%, 90%
XYZ	58.6852, 70.6479, 65.1820
YIQ	212.8370, -16.3190, -18.1350

Conversions

Conversions Part 2

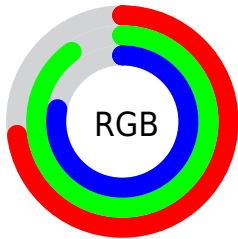
Format	Color
RYB	186, 218, 229
Decimal	12248520
CIELab	87.31, -19.56, 9.57
CIELCh	87, 21.771, 153.929
Yxy	70.6479, 0.3017, 0.3632
Android (android.graphics.Color)	4290438600 (0xFFBAE5C8)
YUV	212.8370, -6.3286, -23.5360
Hunter-Lab	84.0523, -22.4630, 12.8576

Details

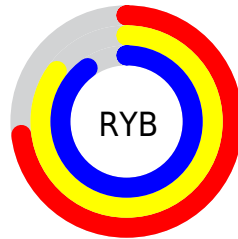
The Yxy color **70.6479, 0.3017, 0.3632** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.6647, 0.3257, 0.2971**, and the grayscale version is **66.4722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **36.8680, 0.2987, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **67.3239, 0.2961, 0.3845**, and if you desaturate by 10%, it is **74.5104, 0.3075, 0.3441**.

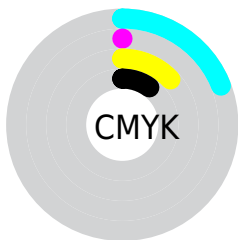
Distribution



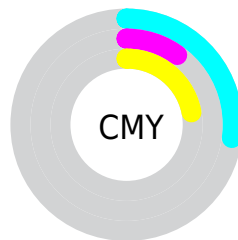
- Red (73%)
- Green (90%)
- Blue (78%)



- Red (73%)
- Yellow (85%)
- Blue (90%)



- Cyan (19%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)





- Cyan (27%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6479, 0.3017, 0.3632 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 70.6479, 0.3017, 0.3632 by changing the saturation by 10% instead.


 70.6479, 0.3017,
0.3632

 70.6479, 0.3017,
0.3632


462.8216, 0.3070,
0.3469

 52.0549, 0.3004,
0.3671


 120.1322, 0.3036,
0.3574

 37.0488, 0.2988,
0.3719


151.7924, 0.3043,
0.3552

 25.2453, 0.2967,
0.3781


188.5770, 0.3049,
0.3533

 16.2599, 0.2939,
0.3865

230.8706, 0.3055,
0.3517

 9.7083, 0.2899,
0.3983

279.0574, 0.3059,
0.3503

 5.2060, 0.2837,
0.4160

333.5219, 0.3063,

 2.3686, 0.2731,

0.3490

0.4458

394.6485, 0.3067,
0.3479

0.8097, 0.2223,
0.6159

0.0000, 0.0000,
0.0000

70.6479, 0.3017,
0.3632

70.6479, 0.3017,
0.3632

67.3239, 0.2961,
0.3845

74.5104, 0.3075,
0.3441

64.5054, 0.2911,
0.4078

78.9248, 0.3134,
0.3271

62.1695, 0.2868,
0.4328

83.9153, 0.3192,
0.3121

60.2880, 0.2838,
0.4589

84.5276, 0.3139,
0.3039

■ 58.8296, 0.2821,
0.4851

■ 57.7589, 0.2822,
0.5103

■ 57.0343, 0.2840,
0.5334

■ 56.5942, 0.2873,
0.5533

■ 56.5510, 0.2876,
0.5555

Harmonies

Analogous

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



70.6479, 0.3283, 0.3753



70.6479, 0.3017, 0.3632



70.6479, 0.2788, 0.3408

Triad

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



70.6479, 0.3017, 0.3632



70.6479, 0.2745, 0.2859



70.6479, 0.3628, 0.3388

Complementary

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



70.6479, 0.3017, 0.3632



56.6647, 0.3257, 0.2971

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.



70.6479, 0.3472, 0.3166



70.6479, 0.3017, 0.3632



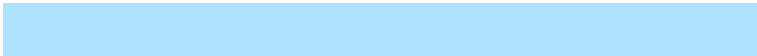
70.6479, 0.2957, 0.2869

Square

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



70.6479, 0.3017, 0.3632



70.6479, 0.2636, 0.2960



70.6479, 0.3223, 0.2980



70.6479, 0.3643, 0.3596

Rectangle

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



70.6479, 0.3017, 0.3632



70.6479, 0.2684, 0.3239



70.6479, 0.3223, 0.2980



70.6479, 0.3590, 0.3313

Sweetspot

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



70.6509, 0.3017, 0.3632



96.5663, 0.3092, 0.3392



74.0955, 0.3310, 0.3772



20.5926, 0.3088, 0.3403



0.0000, 0.0000, 0.0000



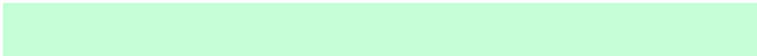
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6509, 0.3017, 0.3632



88.2333, 0.2992, 0.3722



71.7080, 0.2891, 0.3380



16.1663, 0.3071, 0.3452



32.3476, 0.2869, 0.5527



2.4070, 0.2786, 0.5231

Inverse Universe

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



56.6647, 0.3257, 0.2971



66.9470, 0.3294, 0.2894



55.6478, 0.3429, 0.3202



14.5311, 0.3188, 0.3133



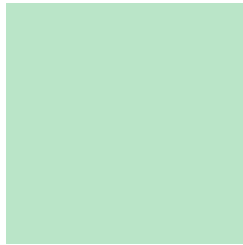
10.8877, 0.4242, 0.2111



0.8215, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 70.6479, 0.3017, 0.3632 looks on a white background.

Color Contrast Check

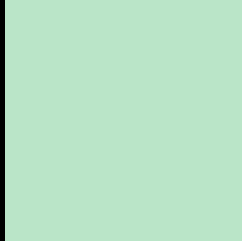
Large Text (above 18pt) WCAG AA × Fail

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 70.6479, 0.3017, 0.3632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

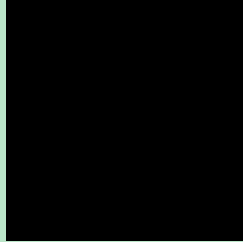
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

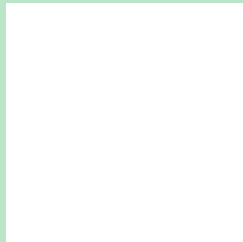
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6479, 0.3017, 0.3632

Background



This preview shows how black text looks on a background with the Yxy color 70.6479, 0.3017, 0.3632.

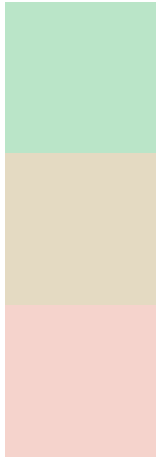


This preview shows how white text looks on a background with the Yxy color 70.6479, 0.3017, 0.3632.

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

70.6479, 0.3017, 0.3632

Protanopia

70.5318, 0.3366, 0.3554

Deuteranopia

70.3606, 0.3436, 0.3364



Tritanopia

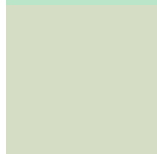
70.4637, 0.2816, 0.3088

Trichromacy



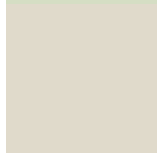
Original Color

70.6479, 0.3017, 0.3632



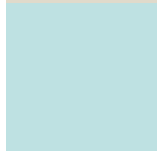
Protanomaly

70.3742, 0.3235, 0.3584



Deuteranomaly

70.3019, 0.3273, 0.3455



Tritanomaly

70.2886, 0.2886, 0.3278

Monochromacy



Original Color

70.6479, 0.3017, 0.3632



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

67.9136, 0.3086, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6479, 0.3017, 0.3632 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(186, 229, 200)` looks like.

```
.text, #text, p{  
    color:rgb(186, 229, 200)  
}
```

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(186, 229, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 229, 200) }
```

Border

The CSS property to change the border of an element to Yxy 70.6479, 0.3017, 0.3632 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(186, 229, 200) }
```

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

```
.border{ border-color:rgb(186, 229, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 229, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 229, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 229, 200);  
box-shadow:4px 4px 4px 4px rgb(186, 229,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6479, 0.3017, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 229, 200) }
```

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

```
.background{ background-color: rgb(186,  
229, 200) }
```

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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