

Converting Colors

$Yxy(70.6610, 0.3012, 0.3797)$

Have a look what the booklet for
Yxy(70.6610, 0.3012, 0.3797)
contains.

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Color

Yxy(70.6610, 0.3012, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	B0E8BE
RGB	176, 232, 190
RGB Percent	69%, 91%, 75%
CMY	0.3098, 0.0902, 0.2550
CMYK	0.24, 0.00, 0.18, 0.09
HSL	135°, 55%, 80%
HSV	135°, 24%, 91%
XYZ	56.0524, 70.6610, 59.3835
YIQ	210.4680, -19.8940, -24.9340

Conversions

Conversions Part 2

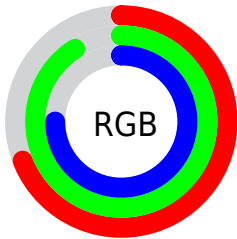
Format	Color
RYB	176, 221, 232
Decimal	11593918
CIELab	87.32, -26.05, 14.73
CIELCh	87, 29.926, 150.507
Yxy	70.6610, 0.3012, 0.3797
Android (android.graphics.Color)	4289783998 (0xFFB0E8BE)
YUV	210.4680, -10.0907, -30.2284
Hunter-Lab	84.0601, -28.0790, 16.9572

Details

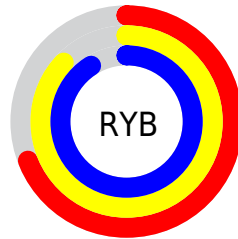
The Yxy color **70.6610, 0.3012, 0.3797** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.2709, 0.3267, 0.2832**, and the grayscale version is **64.8499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3296, 0.3037, 0.3380**, and **36.9944, 0.2974, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **67.4703, 0.2968, 0.4048**, and if you desaturate by 10%, it is **74.4108, 0.3059, 0.3569**.

Distribution



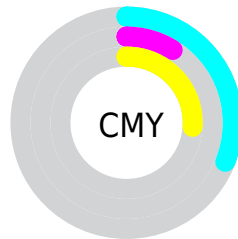
- Red (69%)
- Green (91%)
- Blue (75%)



- Red (69%)
- Yellow (87%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (18%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6610, 0.3012, 0.3797 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 70.6610, 0.3012, 0.3797 by changing the saturation by 10% instead.

 70.6610, 0.3012,
0.3797

 70.6610, 0.3012,
0.3797


462.8675, 0.3070,
0.3553

 52.0656, 0.2998,
0.3855


 120.1509, 0.3033,
0.3710

 37.0574, 0.2979,
0.3929


151.8142, 0.3041,
0.3677

 25.2519, 0.2955,
0.4024


188.6022, 0.3048,
0.3649

 16.2648, 0.2921,
0.4152

230.8994, 0.3053,
0.3624

 9.7118, 0.2872,
0.4334

279.0901, 0.3058,
0.3603

 5.2083, 0.2792,
0.4611


333.5588, 0.3063,

 2.3700, 0.2648,


0.3584


0.5079


394.6898, 0.3066,
0.3567


 0.8104, 0.1422,
0.8578


 0.0000, 0.0000,
0.0000


 70.6610, 0.3012,
0.3797


 70.6610, 0.3012,
0.3797


 67.4703, 0.2968,
0.4048


 74.4108, 0.3059,
0.3569


 64.8031, 0.2929,
0.4320

 78.7355, 0.3107,
0.3367

 62.6334, 0.2898,
0.4605

 83.6616, 0.3155,
0.3188

 60.9294, 0.2879,
0.4893

 86.1975, 0.3138,
0.3068

■ 59.6555, 0.2874,
0.5170

■ 58.7709, 0.2884,
0.5420

■ 58.2261, 0.2908,
0.5629

■ 58.0218, 0.2925,
0.5730

Harmonies

Analogous

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



70.6610, 0.3375, 0.3941



70.6610, 0.3012, 0.3797



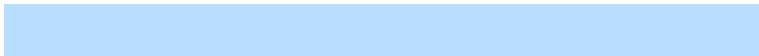
70.6610, 0.2693, 0.3490

Triad

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



70.6610, 0.3012, 0.3797



70.6610, 0.2582, 0.2712



70.6610, 0.3803, 0.3380

Complementary

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



70.6610, 0.3012, 0.3797



53.2709, 0.3267, 0.2832

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.



70.6610, 0.3566, 0.3087



70.6610, 0.3012, 0.3797



70.6610, 0.2853, 0.2714

Square

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



70.6610, 0.3012, 0.3797



70.6610, 0.2456, 0.2858



70.6610, 0.3212, 0.2850



70.6610, 0.3845, 0.3669

Rectangle

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



70.6610, 0.3012, 0.3797



70.6610, 0.2544, 0.3252



70.6610, 0.3212, 0.2850



70.6610, 0.3744, 0.3280

Sweetspot

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



70.6640, 0.3012, 0.3797



95.9374, 0.3093, 0.3423



75.9026, 0.3396, 0.3912



20.4633, 0.3091, 0.3435



0.0000, 0.0000, 0.0000



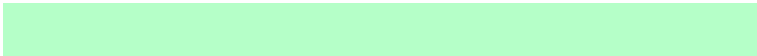
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6640, 0.3012, 0.3797



85.4966, 0.2989, 0.3920



71.9609, 0.2855, 0.3464



16.1479, 0.3082, 0.3471



32.2260, 0.2918, 0.5704



2.3960, 0.2840, 0.5423

Inverse Universe

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



53.2709, 0.3267, 0.2832



60.4162, 0.3303, 0.2734



51.9659, 0.3498, 0.3123



14.5505, 0.3176, 0.3115



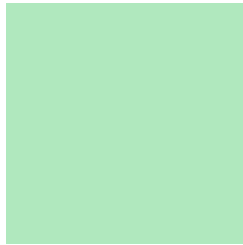
11.2444, 0.3959, 0.1955



0.8455, 0.3826, 0.1881

Previews

White Background



This preview shows how the Yxy color 70.6610, 0.3012, 0.3797 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 70.6610, 0.3012, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

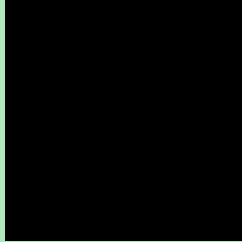
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

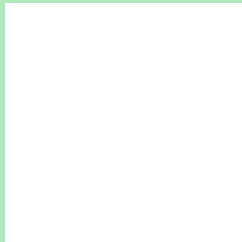
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6610, 0.3012, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 70.6610, 0.3012, 0.3797.

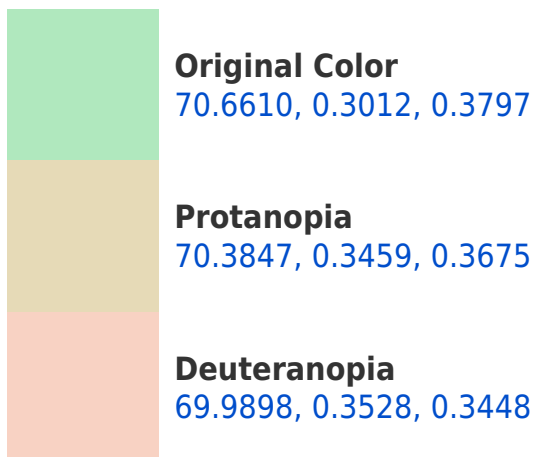


This preview shows how white text looks on a background with the Yxy color 70.6610, 0.3012, 0.3797.

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

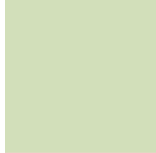
70.7606, 0.2764, 0.3087

Trichromacy



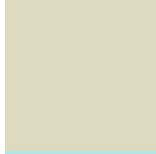
Original Color

70.6610, 0.3012, 0.3797



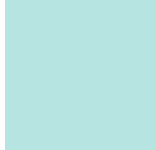
Protanomaly

70.0222, 0.3279, 0.3713



Deuteranomaly

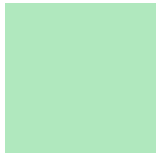
69.5227, 0.3328, 0.3569



Tritanomaly

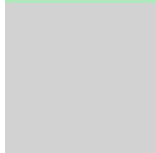
70.8137, 0.2849, 0.3335

Monochromacy



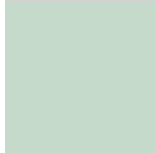
Original Color

70.6610, 0.3012, 0.3797



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.4604, 0.3083, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6610, 0.3012, 0.3797 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(176, 232, 190)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 190)  
}
```

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(176, 232, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 190) }
```

Border

The CSS property to change the border of an element to Yxy 70.6610, 0.3012, 0.3797 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(176, 232, 190) }
```

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

```
.border{ border-color:rgb(176, 232, 190) }
```

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

Here you see how a box with a 4 pixel rgb(176, 232, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 232, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 232, 190);  
box-shadow:4px 4px 4px 4px rgb(176, 232,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6610, 0.3012, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 232, 190) }
```

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

```
.background{ background-color: rgb(176,  
232, 190) }
```

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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