

Converting Colors

$Yxy(70.8143, 0.2986, 0.3707)$

Have a look what the booklet for
Yxy(70.8143, 0.2986, 0.3707)
contains.

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Color

Yxy(70.6023, 0.2989, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	B2E7C4
RGB	178, 231, 196
RGB Percent	70%, 91%, 77%
CMY	0.3020, 0.0941, 0.2314
CMYK	0.23, 0.00, 0.15, 0.09
HSL	140°, 52%, 80%
HSV	140°, 23%, 91%
XYZ	56.8968, 70.6023, 62.8549
YIQ	211.1630, -20.3530, -22.1210

Conversions

Conversions Part 2

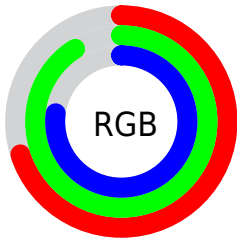
Format	Color
RYB	178, 218, 231
Decimal	11724740
CIELab	87.29, -23.83, 11.56
CIELCh	87, 26.485, 154.122
Yxy	70.6023, 0.2989, 0.3709
Android (android.graphics.Color)	4289914820 (0xFFB2E7C4)
YUV	211.1630, -7.4754, -29.0840
Hunter-Lab	84.0252, -26.1746, 14.4658

Details

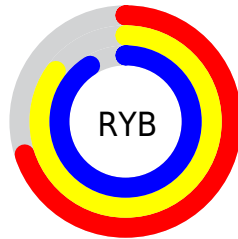
The Yxy color **70.6023, 0.2989, 0.3709** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.6277, 0.3298, 0.2905**, and the grayscale version is **65.3146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1043, 0.3010, 0.3309**, and **36.8980, 0.2952, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **67.4396, 0.2933, 0.3926**, and if you desaturate by 10%, it is **74.3016, 0.3048, 0.3513**.

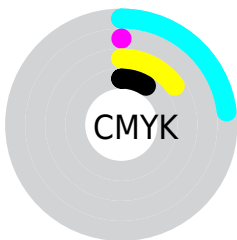
Distribution



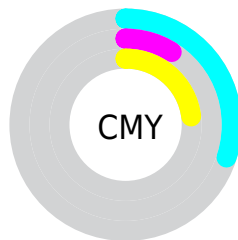
- Red (70%)
- Green (91%)
- Blue (77%)



- Red (70%)
- Yellow (85%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)




- Cyan (30%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6023, 0.2989, 0.3709 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 70.6023, 0.2989, 0.3709 by changing the saturation by 10% instead.


 70.6023, 0.2989,
0.3709

 70.6023, 0.2989,
0.3709


462.6620, 0.3056,
0.3508

 52.0177, 0.2973,
0.3757


 120.0673, 0.3013,
0.3638

 37.0192, 0.2952,
0.3817


151.7165, 0.3022,
0.3611

 25.2223, 0.2926,
0.3895


188.4893, 0.3030,
0.3587

 16.2428, 0.2889,
0.3999

230.7701, 0.3037,
0.3567

 9.6961, 0.2837,
0.4146

278.9435, 0.3042,
0.3549

 5.1979, 0.2757,
0.4370

333.3936, 0.3048,

 2.3639, 0.2618,

0.3534

0.4749

394.5050, 0.3052,
0.3520

0.8072, 0.1744,
0.7590

0.0000, 0.0000,
0.0000

70.6023, 0.2989,
0.3709

70.6023, 0.2989,
0.3709

67.4396, 0.2933,
0.3926

74.3016, 0.3048,
0.3513

64.7795, 0.2884,
0.4162

78.5521, 0.3109,
0.3338

62.5978, 0.2845,
0.4412

83.3787, 0.3170,
0.3183

60.8646, 0.2819,
0.4669

85.6366, 0.3138,
0.3058

■ 59.5464, 0.2810,
0.4925

■ 58.6051, 0.2817,
0.5167

■ 57.9948, 0.2842,
0.5385

■ 57.7140, 0.2867,
0.5520

Harmonies

Analogous

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



70.6023, 0.3311, 0.3857



70.6023, 0.2989, 0.3709



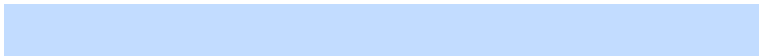
70.6023, 0.2714, 0.3430

Triad

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



70.6023, 0.2989, 0.3709



70.6023, 0.2666, 0.2769



70.6023, 0.3739, 0.3406

Complementary

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



70.6023, 0.2989, 0.3709



53.6277, 0.3298, 0.2905

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.



70.6023, 0.3548, 0.3141



70.6023, 0.2989, 0.3709



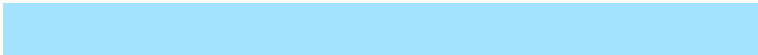
70.6023, 0.2920, 0.2784

Square

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



70.6023, 0.2989, 0.3709



70.6023, 0.2535, 0.2886



70.6023, 0.3244, 0.2919



70.6023, 0.3754, 0.3658

Rectangle

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



70.6023, 0.2989, 0.3709



70.6023, 0.2590, 0.3222



70.6023, 0.3244, 0.2919



70.6023, 0.3693, 0.3316

Sweetspot

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



70.6053, 0.2989, 0.3709



96.0345, 0.3084, 0.3407



74.5663, 0.3344, 0.3887



20.4857, 0.3081, 0.3417



0.0000, 0.0000, 0.0000



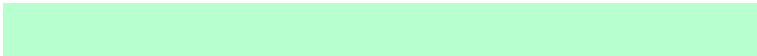
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6053, 0.2989, 0.3709



86.2085, 0.2959, 0.3819



71.9026, 0.2837, 0.3392



16.1696, 0.3070, 0.3449



32.3735, 0.2859, 0.5491



2.4092, 0.2776, 0.5194

Inverse Universe

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



53.6277, 0.3298, 0.2905



61.1295, 0.3347, 0.2815



52.4044, 0.3521, 0.3191



14.5276, 0.3190, 0.3136



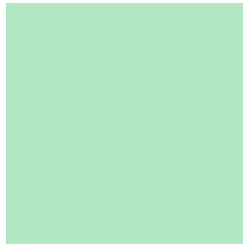
10.8283, 0.4296, 0.2140



0.8174, 0.4097, 0.2030

Previews

White Background



This preview shows how the Yxy color 70.6023, 0.2989, 0.3709 looks on a white background.

Color Contrast Check

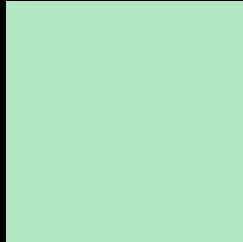
Large Text (above 18pt) WCAG AA × Fail

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 70.6023, 0.2989, 0.3709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

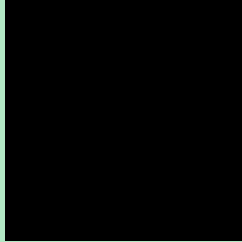
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

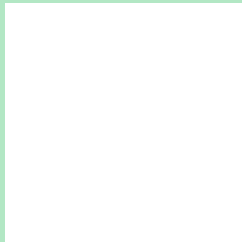
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6023, 0.2989, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 70.6023, 0.2989, 0.3709.



This preview shows how white text looks on a background with the Yxy color 70.6023, 0.2989, 0.3709.

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

70.6023, 0.2989, 0.3709

Protanopia

69.9578, 0.3411, 0.3598

Deuteranopia

69.8561, 0.3475, 0.3396



Tritanopia

70.2869, 0.2774, 0.3087

Trichromacy



Original Color

70.6023, 0.2989, 0.3709

Protanomaly

69.7500, 0.3240, 0.3632

Deuteranomaly

69.6385, 0.3278, 0.3502

Tritanomaly

70.5648, 0.2855, 0.3312

Monochromacy



Original Color

70.6023, 0.2989, 0.3709

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.7412, 0.3071, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6023, 0.2989, 0.3709 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(178, 231, 196)` looks like.

```
.text, #text, p{  
    color:rgb(178, 231, 196)  
}
```

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(178, 231, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 231, 196) }
```

Border

The CSS property to change the border of an element to Yxy 70.6023, 0.2989, 0.3709 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(178, 231, 196) }
```

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

```
.border{ border-color:rgb(178, 231, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 231, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 231, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 231, 196);  
box-shadow:4px 4px 4px 4px rgb(178, 231,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6023, 0.2989, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 231, 196) }
```

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

```
.background{ background-color: rgb(178,  
231, 196) }
```

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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