

Converting Colors

$Yxy(70.9846, 0.2958, 0.3550)$

Have a look what the booklet for
Yxy(70.9846, 0.2958, 0.3550)
contains.

Yxy(71.2890, 0.2962, 0.3559)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.2890, 0.2962, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	B8E6CF
RGB	184, 230, 207
RGB Percent	72%, 90%, 81%
CMY	0.2784, 0.0980, 0.1881
CMYK	0.20, 0.00, 0.10, 0.10
HSL	150°, 48%, 81%
HSV	150°, 20%, 90%
XYZ	59.3307, 71.2890, 69.6865
YIQ	213.6240, -20.0330, -16.9050

Conversions

Conversions Part 2

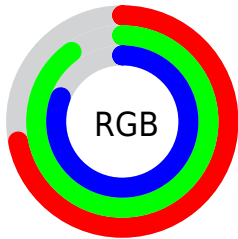
Format	Color
RYB	184, 215, 230
Decimal	12117711
CIELab	87.63, -19.34, 6.31
CIELCh	88, 20.346, 161.938
Yxy	71.2890, 0.2962, 0.3559
Android (android.graphics.Color)	4290307791 (0xFFB8E6CF)
YUV	213.6240, -3.2656, -25.9802
Hunter-Lab	84.4328, -22.3259, 10.1680

Details

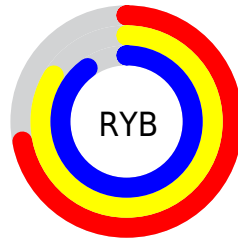
The Yxy color **71.2890, 0.2962, 0.3559** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.6105, 0.3332, 0.3036**, and the grayscale version is **67.0155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **37.3178, 0.2917, 0.3617** is the 20% darker color. If you saturate the color by 10%, you get **68.1370, 0.2885, 0.3716**, and if you desaturate by 10%, it is **74.9496, 0.3043, 0.3417**.

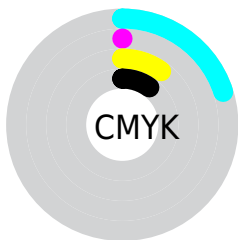
Distribution



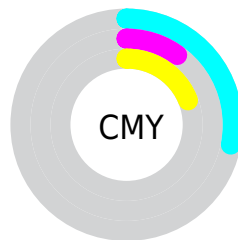
- Red (72%)
- Green (90%)
- Blue (81%)



- Red (72%)
- Yellow (84%)
- Blue (90%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)





- Cyan (28%)
- Magenta (10%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2890, 0.2962, 0.3559 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 71.2890, 0.2962, 0.3559 by changing the saturation by 10% instead.

 71.2890, 0.2962,
0.3559

 71.2890, 0.2962,
0.3559


465.0631, 0.3040,
0.3432

 52.5781, 0.2944,
0.3589


 121.0451, 0.2989,
0.3514

 37.4661, 0.2921,
0.3626


152.8591, 0.3000,
0.3497

 25.5685, 0.2892,
0.3674


189.8096, 0.3009,
0.3482

 16.5011, 0.2853,
0.3739

232.2810, 0.3017,
0.3469

 9.8795, 0.2800,
0.3828

280.6576, 0.3024,
0.3458

 5.3191, 0.2720,
0.3963

335.3239, 0.3030,

 2.4357, 0.2589,

0.3448

396.6643, 0.3035,
0.3439

0.4186

0.8442, 0.1998,
0.5109

0.0000, 0.0000,
0.0000

71.2890, 0.2962,
0.3559

71.2890, 0.2962,
0.3559

68.1370, 0.2885,
0.3716

74.9496, 0.3043,
0.3417

65.4614, 0.2817,
0.3887

79.1316, 0.3127,
0.3290

63.2404, 0.2759,
0.4070

83.8581, 0.3211,
0.3177

61.4464, 0.2716,
0.4262

84.9441, 0.3151,
0.3068

■ 60.0492, 0.2690,
0.4460

■ 85.0740, 0.3138,
0.3048

■ 59.0139, 0.2685,
0.4657

■ 58.2994, 0.2699,
0.4848

■ 57.8357, 0.2730,
0.5029

■ 57.8356, 0.2730,
0.5029

Harmonies

Analogous

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



71.2890, 0.3207, 0.3702



71.2890, 0.2962, 0.3559



71.2890, 0.2766, 0.3337

Triad

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



71.2890, 0.2962, 0.3559



71.2890, 0.2815, 0.2880



71.2890, 0.3611, 0.3438

Complementary

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



71.2890, 0.2962, 0.3559



55.6105, 0.3332, 0.3036

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.



71.2890, 0.3498, 0.3229



71.2890, 0.2962, 0.3559



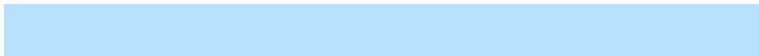
71.2890, 0.3032, 0.2916

Square

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



71.2890, 0.2962, 0.3559



71.2890, 0.2684, 0.2947



71.2890, 0.3283, 0.3042



71.2890, 0.3587, 0.3619

Rectangle

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



71.2890, 0.2962, 0.3559



71.2890, 0.2687, 0.3183



71.2890, 0.3283, 0.3042



71.2890, 0.3587, 0.3369

Sweetspot

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



71.2920, 0.2962, 0.3559



96.7305, 0.3076, 0.3365



73.3210, 0.3261, 0.3815



20.6313, 0.3071, 0.3373



0.0000, 0.0000, 0.0000



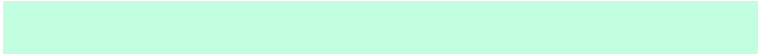
21.4041, 0.3127, 0.3290

Same Dimension

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



71.2920, 0.2962, 0.3559



88.3688, 0.2930, 0.3622



72.4984, 0.2829, 0.3289



16.2089, 0.3048, 0.3410



32.7677, 0.2722, 0.5001



2.4402, 0.2648, 0.4734

Inverse Universe

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



55.6105, 0.3332, 0.3036



65.1558, 0.3385, 0.2981



54.5679, 0.3524, 0.3291



14.4874, 0.3214, 0.3173



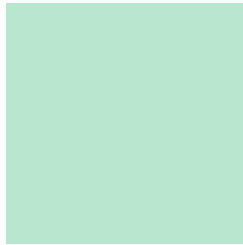
10.2476, 0.4957, 0.2504



0.7760, 0.4633, 0.2326

Previews

White Background



This preview shows how the Yxy color 71.2890, 0.2962, 0.3559 looks on a white background.

Color Contrast Check

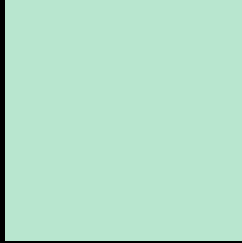
Large Text (above 18pt) WCAG AA × Fail

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 71.2890, 0.2962, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

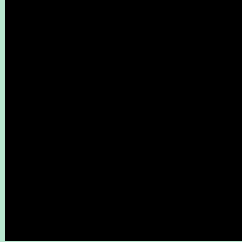
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

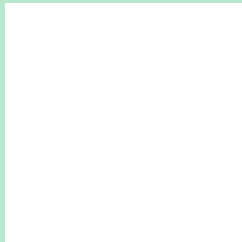
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.2890, 0.2962, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 71.2890, 0.2962, 0.3559.

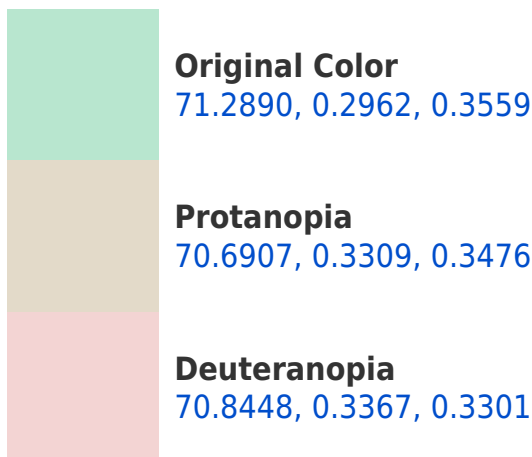


This preview shows how white text looks on a background with the Yxy color 71.2890, 0.2962, 0.3559.

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

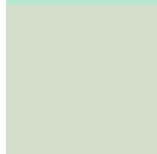
71.3979, 0.2794, 0.3089

Trichromacy



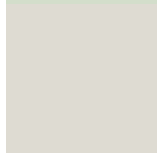
Original Color

71.2890, 0.2962, 0.3559



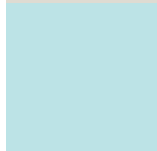
Protanomaly

70.4032, 0.3174, 0.3504



Deuteranomaly

70.8458, 0.3209, 0.3389



Tritanomaly

71.3427, 0.2851, 0.3255

Monochromacy



Original Color

71.2890, 0.2962, 0.3559



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

68.5861, 0.3066, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2890, 0.2962, 0.3559 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(184, 230, 207)` looks like.

```
.text, #text, p{  
    color:rgb(184, 230, 207)  
}
```

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(184, 230, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 230, 207) }
```

Border

The CSS property to change the border of an element to Yxy 71.2890, 0.2962, 0.3559 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(184, 230, 207) }
```

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

```
.border{ border-color:rgb(184, 230, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 230, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 230, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 230, 207);  
box-shadow:4px 4px 4px 4px rgb(184, 230,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2890, 0.2962, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 230, 207) }
```

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

```
.background{ background-color: rgb(184,  
230, 207) }
```

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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