

Converting Colors

$Yxy(71.8099, 0.2993, 0.3563)$

Have a look what the booklet for
Yxy(71.8099, 0.2993, 0.3563)
contains.

Yxy(71.7900, 0.2988, 0.3558)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.7900, 0.2988, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	BCE6CF
RGB	188, 230, 207
RGB Percent	74%, 90%, 81%
CMY	0.2629, 0.0980, 0.1883
CMYK	0.18, 0.00, 0.10, 0.10
HSL	147°, 46%, 82%
HSV	147°, 18%, 90%
XYZ	60.2891, 71.7900, 69.6916
YIQ	214.8200, -17.6490, -16.0570

Conversions

Conversions Part 2

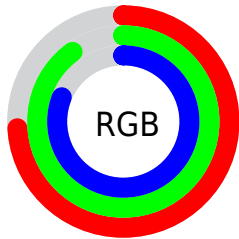
Format	Color
RYB	188, 217, 230
Decimal	12379855
CIELab	87.87, -18.10, 6.72
CIELCh	88, 19.306, 159.626
Yxy	71.7900, 0.2988, 0.3558
Android (android.graphics.Color)	4290569935 (0xFFBCE6CF)
YUV	214.8200, -3.8553, -23.5211
Hunter-Lab	84.7290, -21.2637, 10.5429

Details

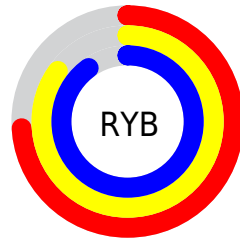
The Yxy color **71.7900, 0.2988, 0.3558** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.4816, 0.3295, 0.3037**, and the grayscale version is **67.8589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **37.6403, 0.2950, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **68.5094, 0.2916, 0.3728**, and if you desaturate by 10%, it is **75.5914, 0.3063, 0.3405**.

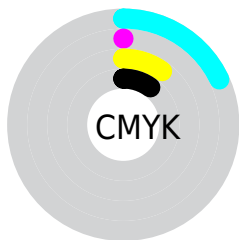
Distribution



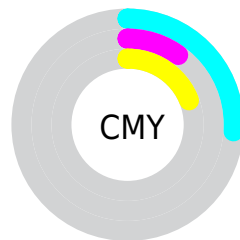
- Red (74%)
- Green (90%)
- Blue (81%)



- Red (74%)
- Yellow (85%)
- Blue (90%)



- Cyan (18%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)



- Cyan (26%)
- Magenta (10%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7900, 0.2988, 0.3558 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 71.7900, 0.2988, 0.3558 by changing the saturation by 10% instead.


 71.7900, 0.2988,
0.3558

 71.7900, 0.2988,
0.3558


466.8103, 0.3054,
0.3431

 52.9871, 0.2973,
0.3588


 121.7579, 0.3011,
0.3513

 37.7925, 0.2953,
0.3625


153.6918, 0.3020,
0.3496

 25.8217, 0.2929,
0.3673


190.7714, 0.3028,
0.3481

 16.6903, 0.2896,
0.3736

233.3813, 0.3034,
0.3469

 10.0139, 0.2850,
0.3825

281.9057, 0.3040,
0.3458

 5.4082, 0.2782,
0.3958


336.7291, 0.3045,

 2.4887, 0.2670,

0.3448

0.4178

398.2358, 0.3050,
0.3439

 0.8710, 0.2224,
0.5019


 0.0000, 0.0000,
0.0000


 71.7900, 0.2988,
0.3558


 71.7900, 0.2988,
0.3558

 68.5094, 0.2916,
0.3728


 75.5914, 0.3063,
0.3405


 65.7173, 0.2851,
0.3915

 79.9262, 0.3140,
0.3268

 63.3919, 0.2796,
0.4115

 84.4419, 0.3204,
0.3146

 61.5059, 0.2755,
0.4326

 85.0822, 0.3138,
0.3049

■ 60.0290, 0.2730,
0.4542

■ 58.9272, 0.2724,
0.4758

■ 58.1602, 0.2738,
0.4965

■ 57.6710, 0.2769,
0.5158

■ 57.6009, 0.2775,
0.5190

Harmonies

Analogous

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



71.7900, 0.3221, 0.3685



71.7900, 0.2988, 0.3558



71.7900, 0.2797, 0.3352

Triad

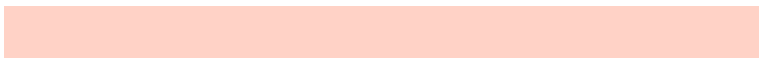
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7900, 0.2988, 0.3558



71.7900, 0.2819, 0.2902



71.7900, 0.3581, 0.3416

Complementary

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



71.7900, 0.2988, 0.3558



57.4816, 0.3295, 0.3037

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.



71.7900, 0.3465, 0.3218



71.7900, 0.2988, 0.3558



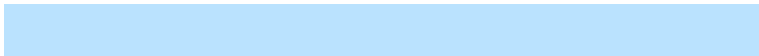
71.7900, 0.3020, 0.2929

Square

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



71.7900, 0.2988, 0.3558



71.7900, 0.2702, 0.2975



71.7900, 0.3257, 0.3043



71.7900, 0.3569, 0.3591

Rectangle

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



71.7900, 0.2988, 0.3558



71.7900, 0.2717, 0.3205



71.7900, 0.3257, 0.3043



71.7900, 0.3555, 0.3350

Sweetspot

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



71.7930, 0.2988, 0.3558



97.2196, 0.3088, 0.3358



74.0944, 0.3265, 0.3764



20.7284, 0.3083, 0.3368



0.0000, 0.0000, 0.0000



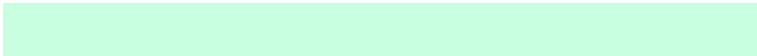
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7930, 0.2988, 0.3558



89.0441, 0.2960, 0.3622



72.8860, 0.2865, 0.3313



16.1969, 0.3054, 0.3422



32.6294, 0.2767, 0.5161



2.4297, 0.2689, 0.4879

Inverse Universe

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



57.4816, 0.3295, 0.3037



67.7540, 0.3338, 0.2981



56.4986, 0.3465, 0.3267



14.4995, 0.3207, 0.3162



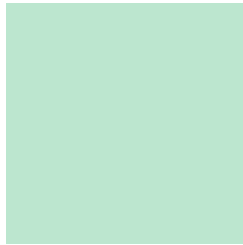
10.4027, 0.4752, 0.2391



0.7874, 0.4465, 0.2233

Previews

White Background



This preview shows how the Yxy color 71.7900, 0.2988, 0.3558 looks on a white background.

Color Contrast Check

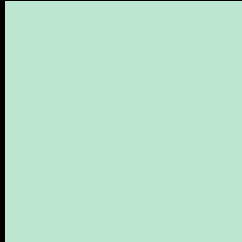
Large Text (above 18pt) WCAG AA × Fail

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 71.7900, 0.2988, 0.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

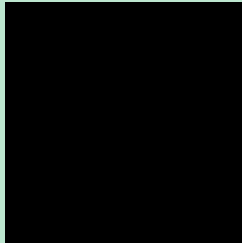
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

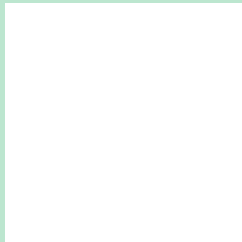
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7900, 0.2988, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 71.7900, 0.2988, 0.3558.

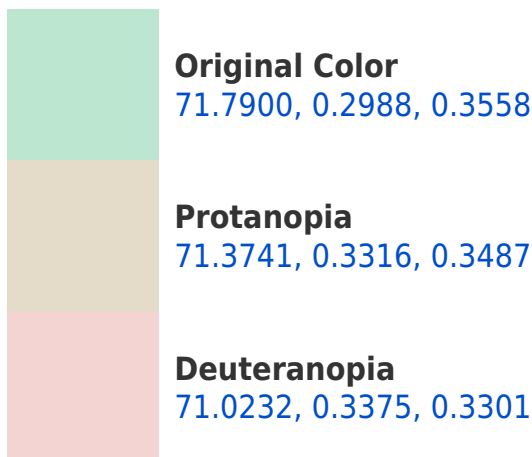


This preview shows how white text looks on a background with the Yxy color 71.7900, 0.2988, 0.3558.

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

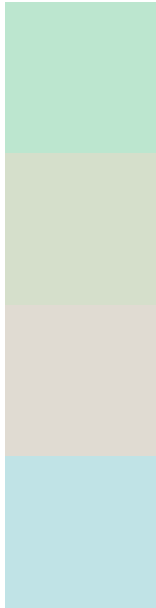




Tritanopia

71.7908, 0.2813, 0.3090

Trichromacy



Original Color

71.7900, 0.2988, 0.3558

Protanomaly

71.2333, 0.3188, 0.3514

Deuteranomaly

71.1635, 0.3224, 0.3389

Tritanomaly

71.8578, 0.2876, 0.3255

Monochromacy



Original Color

71.7900, 0.2988, 0.3558

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.9190, 0.3073, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7900, 0.2988, 0.3558 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(188, 230, 207)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 230, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 230, 207) }
```

Border

The CSS property to change the border of an element to Yxy 71.7900, 0.2988, 0.3558 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(188, 230, 207) }
```

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

```
.border{ border-color:rgb(188, 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(188, 230, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 230, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 230, 207);  
box-shadow:4px 4px 4px 4px rgb(188, 230,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7900, 0.2988, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 230, 207) }
```

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

```
.background{ background-color: rgb(188,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor