

# Converting Colors

$Yxy(71.9560, 0.2850, 0.3405)$

Have a look what the booklet for  
Yxy(71.9560, 0.2850, 0.3405)  
contains.

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# Color

**Yxy(71.9560, 0.2850, 0.3405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E7DD
RGB	179, 231, 221
RGB Percent	70%, 91%, 87%
CMY	0.2979, 0.0941, 0.1332
CMYK	0.22, 0.00, 0.04, 0.09
HSL	168°, 52%, 80%
HSV	168°, 22%, 91%
XYZ	60.2275, 71.9560, 79.1410
YIQ	214.3120, -27.7820, -14.1340

# Conversions

## Conversions Part 2

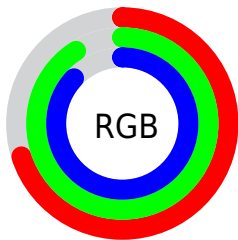
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 208, 231
Decimal	11790301
CIELab	87.95, -18.59, -0.60
CIELCh	88, 18.600, 181.857
Yxy	71.9560, 0.2850, 0.3405
Android (android.graphics.Color)	4289980381 (0xFFB3E7DD)
YUV	214.3120, 3.2972, -30.9686
Hunter-Lab	84.8269, -21.7112, 4.0630

# Details

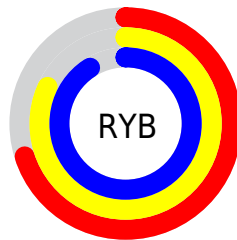
The Yxy color **71.9560, 0.2850, 0.3405** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.9197, 0.3500, 0.3179**, and the grayscale version is **67.4655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **37.7731, 0.2783, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **69.1993, 0.2740, 0.3464**, and if you desaturate by 10%, it is **75.1859, 0.2969, 0.3351**.

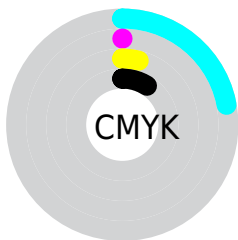
# Distribution



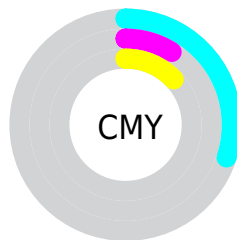
- Red (70%)
- Green (91%)
- Blue (87%)



- Red (70%)
- Yellow (82%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)




- Cyan (30%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9560, 0.2850, 0.3405 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 71.9560, 0.2850, 0.3405 by changing the saturation by 10% instead.



 71.9560, 0.2850,  
0.3405

 71.9560, 0.2850,  
0.3405

467.3884, 0.2978,  
0.3352

 53.1227, 0.2821,  
0.3417


 121.9940, 0.2894,  
0.3387

 37.9008, 0.2785,  
0.3432

153.9675, 0.2912,  
0.3380

 25.9057, 0.2739,  
0.3451


191.0898, 0.2927,  
0.3373

 16.7531, 0.2679,  
0.3475

233.7455, 0.2940,  
0.3368

 10.0586, 0.2597,  
0.3508

282.3187, 0.2951,  
0.3363

 5.4378, 0.2479,  
0.3556

337.1941, 0.2961,

 2.5064, 0.2295,

0.3359

398.7558, 0.2970,  
0.3355

0.3630

0.8798, 0.1690,  
0.3888

0.0000, 0.0000,  
0.0000

71.9560, 0.2850,  
0.3405

71.9560, 0.2850,  
0.3405

69.1993, 0.2740,  
0.3464

75.1859, 0.2969,  
0.3351

66.8840, 0.2643,  
0.3526


78.9015, 0.3095,  
0.3302

64.9880, 0.2561,  
0.3592


83.1259, 0.3225,  
0.3257


63.4839, 0.2496,  
0.3660


84.6253, 0.3242,  
0.3214


 62.3408, 0.2450,  
0.3730

 84.8900, 0.3213,  
0.3171

 61.5235, 0.2425,  
0.3800

 85.1612, 0.3185,  
0.3128

 60.9890, 0.2418,  
0.3870

 85.4389, 0.3157,  
0.3086

 60.7228, 0.2423,  
0.3922

 85.6281, 0.3138,  
0.3058

# Harmonies

## Analogous

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



71.9560, 0.3050, 0.3589



71.9560, 0.2850, 0.3405



71.9560, 0.2726, 0.3194

# Triad

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



71.9560, 0.2850, 0.3405



71.9560, 0.2968, 0.2926



71.9560, 0.3567, 0.3541

# Complementary

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



71.9560, 0.2850, 0.3405



52.9197, 0.3500, 0.3179

# 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.



71.9560, 0.3546, 0.3362



71.9560, 0.2850, 0.3405



71.9560, 0.3193, 0.3016

# Square

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



71.9560, 0.2850, 0.3405



71.9560, 0.2792, 0.2925



71.9560, 0.3407, 0.3173



71.9560, 0.3467, 0.3662

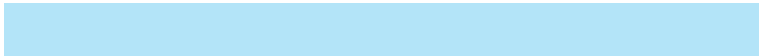


# Rectangle

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



71.9560, 0.2850, 0.3405



71.9560, 0.2699, 0.3070



71.9560, 0.3407, 0.3173



71.9560, 0.3574, 0.3486

# Sweetspot

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



71.9590, 0.2850, 0.3405



96.5518, 0.3037, 0.3323



71.2788, 0.3168, 0.3906



20.6056, 0.3030, 0.3326



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

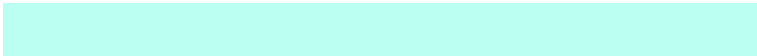


# Same Dimension

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



71.9590, 0.2850, 0.3405



88.3764, 0.2798, 0.3432



64.1670, 0.2780, 0.3107



16.2865, 0.3007, 0.3335



34.0619, 0.2420, 0.3911



2.5293, 0.2392, 0.3809



# Inverse Universe

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



52.9197, 0.3500, 0.3179



60.5810, 0.3602, 0.3154



59.1080, 0.3549, 0.3466



14.4129, 0.3262, 0.3245



9.6411, 0.6091, 0.3129

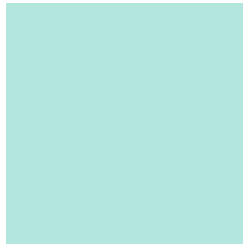


0.7252, 0.5698, 0.2912



# Previews

## White Background



This preview shows how the Yxy color 71.9560, 0.2850, 0.3405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

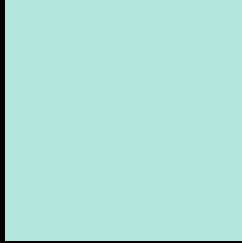
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9560, 0.2850, 0.3405 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

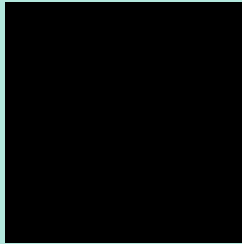
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

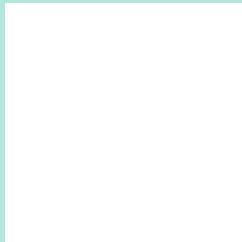
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.9560, 0.2850, 0.3405**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9560, 0.2850, 0.3405.

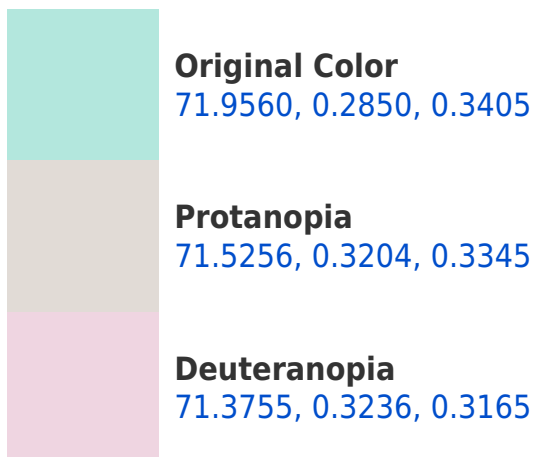


This preview shows how white text looks on a background with the Yxy color 71.9560, 0.2850, 0.3405.

# 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

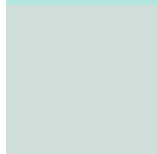
71.7211, 0.2743, 0.3087

# Trichromacy



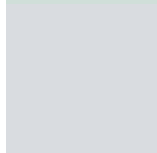
## Original Color

71.9560, 0.2850, 0.3405



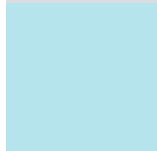
## Protanomaly

71.1950, 0.3061, 0.3357



## Deuteranomaly

71.3199, 0.3080, 0.3246



## Tritanomaly

71.4880, 0.2781, 0.3198

# Monochromacy



## Original Color

71.9560, 0.2850, 0.3405



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

68.6137, 0.3013, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9560, 0.2850, 0.3405 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(179, 231, 221)` looks like.

```
.text, #text, p{  
    color:rgb(179, 231, 221)  
}
```

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(179, 231, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 231, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9560, 0.2850, 0.3405 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(179, 231, 221) }
```

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

```
.border{ border-color:rgb(179, 231, 221) }
```

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

Here you see how a box with a 4 pixel rgb(179, 231, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 231, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 231, 221);  
box-shadow:4px 4px 4px 4px rgb(179, 231,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9560, 0.2850, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 231, 221) }
```

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

```
.background{ background-color: rgb(179,  
231, 221) }
```

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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