

# Converting Colors

$Yxy(72.2568, 0.2854, 0.3340)$

Have a look what the booklet for  
Yxy(72.2568, 0.2854, 0.3340)  
contains.

<b>Yxy(72.2750, 0.2851, 0.3335)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.2750, 0.2851, 0.3335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E6E2
RGB	184, 230, 226
RGB Percent	72%, 90%, 89%
CMY	0.2786, 0.0980, 0.1137
CMYK	0.20, 0.00, 0.02, 0.10
HSL	175°, 48%, 81%
HSV	175°, 20%, 90%
XYZ	61.7859, 72.2750, 82.6557
YIQ	215.7900, -26.1320, -10.9960

# Conversions

## Conversions Part 2

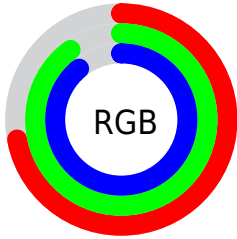
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 208, 230
Decimal	12117730
CIELab	88.10, -15.58, -2.96
CIELCh	88, 15.857, 190.765
Yxy	72.2750, 0.2851, 0.3335
Android (android.graphics.Color)	4290307810 (0xFFB8E6E2)
YUV	215.7900, 5.0335, -27.8798
Hunter-Lab	85.0147, -19.0478, 1.8655

# Details

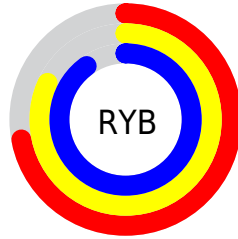
The Yxy color **72.2750, 0.2851, 0.3335** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.7194, 0.3491, 0.3246**, and the grayscale version is **68.4950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **37.9582, 0.2784, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **69.5563, 0.2727, 0.3360**, and if you desaturate by 10%, it is **75.4627, 0.2985, 0.3312**.

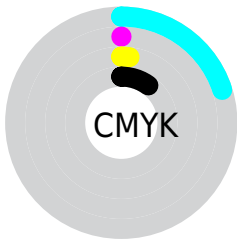
# Distribution



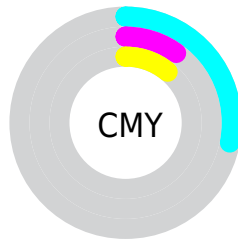
- Red (72%)
- Green (90%)
- Blue (89%)



- Red (72%)
- Yellow (82%)
- Blue (90%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)




- Cyan (28%)
- Magenta (10%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2750, 0.2851, 0.3335 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 72.2750, 0.2851, 0.3335 by changing the saturation by 10% instead.




 72.2750, 0.2851,  
0.3335

 72.2750, 0.2851,  
0.3335

468.4982, 0.2978,  
0.3315

 53.3834, 0.2822,  
0.3339


 122.4474, 0.2895,  
0.3328

 38.1089, 0.2786,  
0.3344

154.4970, 0.2912,  
0.3326

 26.0672, 0.2741,  
0.3351


191.7013, 0.2927,  
0.3323

 16.8739, 0.2682,  
0.3359

234.4448, 0.2940,  
0.3321

 10.1446, 0.2602,  
0.3369

283.1118, 0.2951,  
0.3320

 5.4950, 0.2487,  
0.3382

338.0868, 0.2961,

 2.5405, 0.2309,

0.3318

399.7542, 0.2970,  
0.3317

0.3400

0.8969, 0.1837,  
0.3490

0.0000, 0.0000,  
0.0000

72.2750, 0.2851,  
0.3335

72.2750, 0.2851,  
0.3335

69.5563, 0.2727,  
0.3360

75.4627, 0.2985,  
0.3312

67.2755, 0.2616,  
0.3387

79.1312, 0.3127,  
0.3290


65.4112, 0.2521,  
0.3416

83.3031, 0.3273,  
0.3271


63.9371, 0.2444,  
0.3445

83.8009, 0.3274,  
0.3251


 62.8237, 0.2386,  
0.3474


 83.9163, 0.3261,  
0.3231


 62.0372, 0.2348,  
0.3504


 84.0330, 0.3248,  
0.3212

 61.5377, 0.2328,  
0.3534

 84.1510, 0.3235,  
0.3192

 61.2561, 0.2323,  
0.3563

 84.2703, 0.3222,  
0.3173

 84.3909, 0.3209,  
0.3154

# Harmonies

## Analogous

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



72.2750, 0.3007, 0.3503



72.2750, 0.2851, 0.3335



72.2750, 0.2769, 0.3160

# Triad

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



72.2750, 0.2851, 0.3335



72.2750, 0.3047, 0.2994



72.2750, 0.3486, 0.3543

# Complementary

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



72.2750, 0.2851, 0.3335



54.7194, 0.3491, 0.3246

# 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.



72.2750, 0.3500, 0.3401



72.2750, 0.2851, 0.3335



72.2750, 0.3242, 0.3091

# Square

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



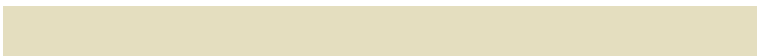
72.2750, 0.2851, 0.3335



72.2750, 0.2879, 0.2970



72.2750, 0.3409, 0.3238



72.2750, 0.3375, 0.3622



# Rectangle

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



72.2750, 0.2851, 0.3335



72.2750, 0.2765, 0.3065



72.2750, 0.3409, 0.3238



72.2750, 0.3503, 0.3501

# Sweetspot

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



72.2780, 0.2851, 0.3335



97.1276, 0.3041, 0.3303



70.8231, 0.3133, 0.3837



20.7253, 0.3032, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

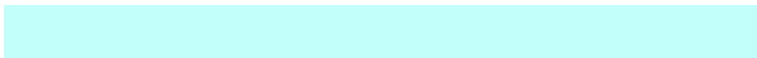


# Same Dimension

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



72.2780, 0.2851, 0.3335



89.8455, 0.2799, 0.3345



62.7829, 0.2815, 0.3074



16.3137, 0.2993, 0.3310



34.6848, 0.2322, 0.3558



2.5695, 0.2310, 0.3515



# Inverse Universe

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



54.7194, 0.3491, 0.3246



63.8833, 0.3587, 0.3236



62.7048, 0.3485, 0.3496



14.3882, 0.3279, 0.3270



9.5601, 0.6301, 0.3245

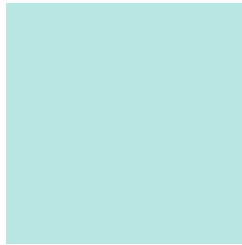


0.7135, 0.6056, 0.3110



# Previews

## White Background



This preview shows how the Yxy color 72.2750, 0.2851, 0.3335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

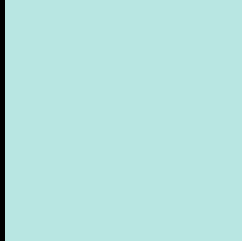
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2750, 0.2851, 0.3335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

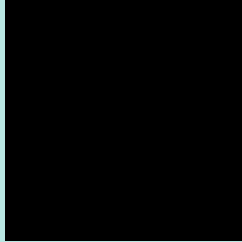
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

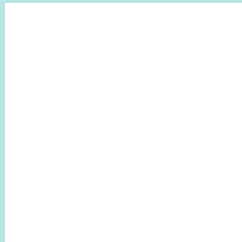
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2750, 0.2851, 0.3335**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2750, 0.2851, 0.3335.

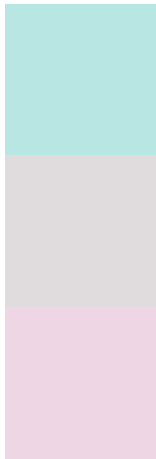


This preview shows how white text looks on a background with the Yxy color 72.2750, 0.2851, 0.3335.

# 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

72.2750, 0.2851, 0.3335

### Protanopia

71.6776, 0.3156, 0.3279

### Deuteranopia

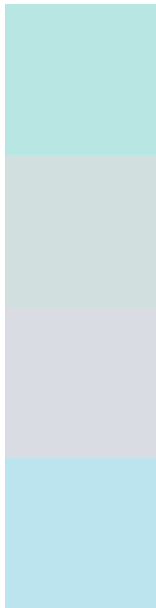
71.9274, 0.3200, 0.3134



## Tritanopia

72.2221, 0.2767, 0.3089

# Trichromacy



**Original Color**

72.2750, 0.2851, 0.3335

**Protanomaly**

71.6046, 0.3036, 0.3301

**Deuteranomaly**

71.6933, 0.3061, 0.3203

**Tritanomaly**

72.2246, 0.2800, 0.3177

# Monochromacy



**Original Color**

72.2750, 0.2851, 0.3335

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.7176, 0.3015, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2750, 0.2851, 0.3335 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(184, 230, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 230, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2750, 0.2851, 0.3335 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, 226) }
```

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

```
.border{ border-color:rgb(184, 230, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 230, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 230, 226);  
box-shadow:4px 4px 4px 4px rgb(184, 230,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2750, 0.2851, 0.3335 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, 226) }
```

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

```
.background{ background-color: rgb(184,  
230, 226) }
```

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