

# Converting Colors

$Yxy(72.9063, 0.2824, 0.3330)$

Have a look what the booklet for  
Yxy(72.9063, 0.2824, 0.3330)  
contains.

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# Color

**Yxy(73.1384, 0.2823, 0.3335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5E8E4
RGB	181, 232, 228
RGB Percent	71%, 91%, 89%
CMY	0.2903, 0.0901, 0.1059
CMYK	0.22, 0.00, 0.02, 0.09
HSL	175°, 53%, 81%
HSV	175°, 22%, 91%
XYZ	61.9100, 73.1384, 84.2572
YIQ	216.2950, -29.1120, -12.0560

# Conversions

## Conversions Part 2

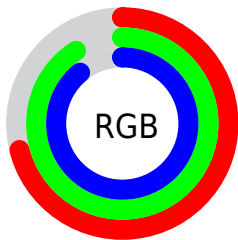
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 208, 232
Decimal	11921636
CIE <sub>Lab</sub>	88.51, -17.07, -3.42
CIE <sub>LCh</sub>	89, 17.408, 191.333
Yxy	73.1384, 0.2823, 0.3335
Android (android.graphics.Color)	4290111716 (0xFFB5E8E4)
YUV	216.2950, 5.7706, -30.9537
Hunter-Lab	85.5210, -20.4429, 1.4509

# Details

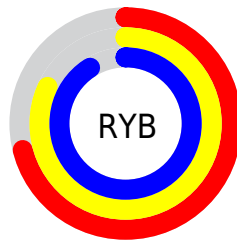
The Yxy color **73.1384, 0.2823, 0.3335** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.6919, 0.3540, 0.3246**, and the grayscale version is **68.8528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **38.5798, 0.2750, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **70.4665, 0.2701, 0.3358**, and if you desaturate by 10%, it is **76.2843, 0.2957, 0.3313**.

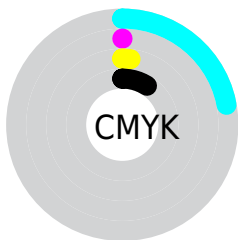
# Distribution



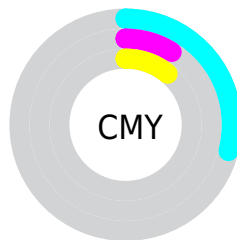
- Red (71%)
- Green (91%)
- Blue (89%)



- Red (71%)
- Yellow (82%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)




- Cyan (29%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1384, 0.2823, 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 73.1384, 0.2823, 0.3335 by changing the saturation by 10% instead.



 73.1384, 0.2823,  
0.3335

 73.1384, 0.2823,  
0.3335


471.4943, 0.2963,  
0.3316

 54.0891, 0.2791,  
0.3339


 123.6737, 0.2871,  
0.3329

 38.6729, 0.2752,  
0.3344


155.9285, 0.2890,  
0.3326

 26.5054, 0.2703,  
0.3350


193.3539, 0.2906,  
0.3324

 17.2021, 0.2639,  
0.3358

236.3343, 0.2921,  
0.3322

 10.3787, 0.2552,  
0.3367

285.2542, 0.2933,  
0.3320

 5.6508, 0.2428,  
0.3379

340.4979, 0.2944,

 2.6339, 0.2238,

0.3318

402.4498, 0.2954,  
0.3317

0.3393

0.9437, 0.1761,  
0.3469

0.0000, 0.0000,  
0.0000

73.1384, 0.2823,  
0.3335

73.1384, 0.2823,  
0.3335

70.4665, 0.2701,  
0.3358

76.2843, 0.2957,  
0.3313

68.2365, 0.2592,  
0.3383


79.9168, 0.3098,  
0.3294


66.4264, 0.2500,  
0.3408


84.0591, 0.3245,  
0.3276


65.0086, 0.2426,  
0.3435

84.9952, 0.3264,  
0.3258


 63.9522, 0.2371,  
0.3462

 85.1011, 0.3252,  
0.3240

 63.2216, 0.2336,  
0.3488


 85.2081, 0.3240,  
0.3223

 62.7743, 0.2319,  
0.3515

 85.3162, 0.3228,  
0.3205

 62.5657, 0.2316,  
0.3536

 85.4254, 0.3216,  
0.3187

 85.5357, 0.3205,  
0.3169

# Harmonies

## Analogous

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



73.1384, 0.2992, 0.3520



73.1384, 0.2823, 0.3335



73.1384, 0.2735, 0.3144

# Triad

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



73.1384, 0.2823, 0.3335



73.1384, 0.3043, 0.2969



73.1384, 0.3519, 0.3568

# Complementary

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



73.1384, 0.2823, 0.3335



53.6919, 0.3540, 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.



73.1384, 0.3536, 0.3414



73.1384, 0.2823, 0.3335



73.1384, 0.3256, 0.3075

# Square

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



73.1384, 0.2823, 0.3335



73.1384, 0.2859, 0.2941



73.1384, 0.3438, 0.3236



73.1384, 0.3394, 0.3654

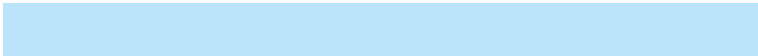


# Rectangle

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



73.1384, 0.2823, 0.3335



73.1384, 0.2733, 0.3041



73.1384, 0.3438, 0.3236



73.1384, 0.3537, 0.3522

# Sweetspot

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



73.1414, 0.2823, 0.3335



96.6805, 0.3026, 0.3303



71.3962, 0.3127, 0.3899



20.6354, 0.3017, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

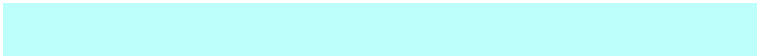


# Same Dimension

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



73.1414, 0.2823, 0.3335



89.1900, 0.2771, 0.3344



62.1065, 0.2782, 0.3040



16.3159, 0.2992, 0.3308



34.7384, 0.2314, 0.3532



2.5729, 0.2304, 0.3493



# Inverse Universe

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



53.6919, 0.3540, 0.3246



61.4169, 0.3642, 0.3237



62.8432, 0.3525, 0.3527



14.3862, 0.3280, 0.3272



9.5560, 0.6313, 0.3251

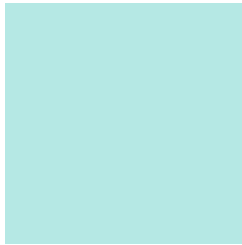


0.7126, 0.6087, 0.3127



# Previews

## White Background



This preview shows how the Yxy color 73.1384, 0.2823, 0.3335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

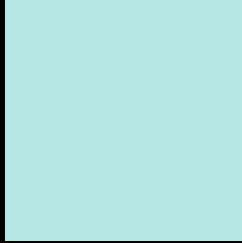
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1384, 0.2823, 0.3335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

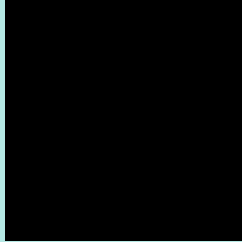
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

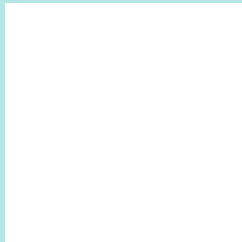
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.1384, 0.2823, 0.3335**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1384, 0.2823, 0.3335.

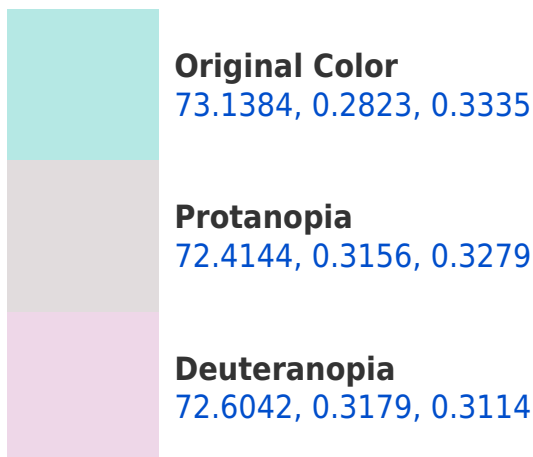


This preview shows how white text looks on a background with the Yxy color 73.1384, 0.2823, 0.3335.

# 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

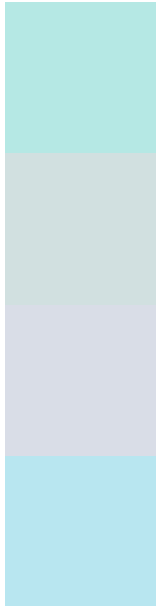




## Tritanopia

73.0683, 0.2740, 0.3089

# Trichromacy



## Original Color

73.1384, 0.2823, 0.3335

## Protanomaly

72.2484, 0.3024, 0.3290

## Deuteranomaly

72.2341, 0.3034, 0.3182

## Tritanomaly

73.0752, 0.2773, 0.3177

# Monochromacy



## Original Color

73.1384, 0.2823, 0.3335

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

70.1064, 0.3008, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1384, 0.2823, 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(181, 232, 228)` looks like.

```
.text, #text, p{  
    color:rgb(181, 232, 228)  
}
```

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(181, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 232, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1384, 0.2823, 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(181, 232, 228) }
```

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

```
.border{ border-color:rgb(181, 232, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 232, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 232, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 232, 228);  
box-shadow:4px 4px 4px 4px rgb(181, 232,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1384, 0.2823, 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(181, 232, 228) }
```

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

```
.background{ background-color: rgb(181,  
232, 228) }
```

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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