

# Converting Colors

$Yxy(73.0518, 0.2906, 0.3358)$

Have a look what the booklet for  
Yxy(73.0518, 0.2906, 0.3358)  
contains.

<b>Yxy(73.0518, 0.2906, 0.3358)</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(73.0518, 0.2906, 0.3358)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFE6E0
RGB	191, 230, 224
RGB Percent	75%, 90%, 88%
CMY	0.2513, 0.0979, 0.1216
CMYK	0.17, 0.00, 0.03, 0.10
HSL	171°, 44%, 83%
HSV	171°, 17%, 90%
XYZ	63.2187, 73.0518, 81.2750
YIQ	217.6550, -21.3180, -10.1340

# Conversions

## Conversions Part 2

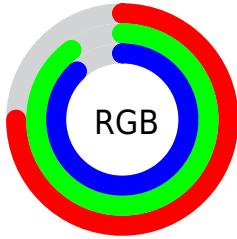
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 212, 230
Decimal	12576480
CIELab	88.47, -13.86, -1.30
CIELCh	88, 13.918, 185.357
Yxy	73.0518, 0.2906, 0.3358
Android (android.graphics.Color)	4290766560 (0xFFBFE6E0)
YUV	217.6550, 3.1281, -23.3764
Hunter-Lab	85.4703, -17.5443, 3.4495

# Details

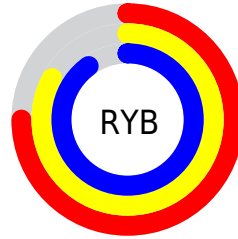
The Yxy color **73.0518, 0.2906, 0.3358** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.0814, 0.3404, 0.3223**, and the grayscale version is **69.8410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **38.4550, 0.2853, 0.3364** is the 20% darker color. If you saturate the color by 10%, you get **70.1138, 0.2786, 0.3403**, and if you desaturate by 10%, it is **76.4682, 0.3034, 0.3317**.

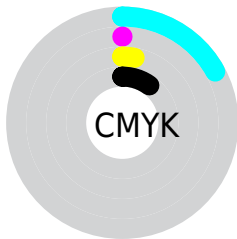
# Distribution



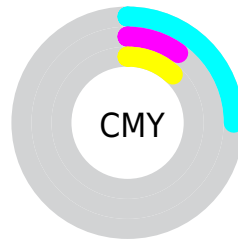
- Red (75%)
- Green (90%)
- Blue (88%)



- Red (75%)
- Yellow (83%)
- Blue (90%)



- Cyan (17%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)




- Cyan (25%)
- Magenta (10%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0518, 0.2906, 0.3358 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 73.0518, 0.2906, 0.3358 by changing the saturation by 10% instead.




 73.0518, 0.2906,  
0.3358

 73.0518, 0.2906,  
0.3358


471.1943, 0.3008,  
0.3327

 54.0183, 0.2883,  
0.3365


 123.5507, 0.2941,  
0.3347

 38.6163, 0.2854,  
0.3374


155.7850, 0.2955,  
0.3343

 26.4614, 0.2818,  
0.3384


193.1883, 0.2967,  
0.3340

 17.1691, 0.2770,  
0.3398

236.1450, 0.2977,  
0.3336

 10.3551, 0.2706,  
0.3417

285.0396, 0.2986,  
0.3334

 5.6351, 0.2613,  
0.3444

340.2564, 0.2994,

 2.6245, 0.2469,

0.3331

402.1799, 0.3002,  
0.3329

0.3484

0.9390, 0.2118,  
0.3595

0.0000, 0.0000,  
0.0000

73.0518, 0.2906,  
0.3358

73.0518, 0.2906,  
0.3358

70.1138, 0.2786,  
0.3403

76.4682, 0.3034,  
0.3317

67.6232, 0.2678,  
0.3451

80.3743, 0.3168,  
0.3279


65.5595, 0.2584,  
0.3502

83.8465, 0.3270,  
0.3245


63.8971, 0.2506,  
0.3555


84.0537, 0.3246,  
0.3210

 62.6073, 0.2447,  
0.3610


 84.2650, 0.3223,  
0.3175


 61.6578, 0.2408,  
0.3666


 84.4805, 0.3200,  
0.3141

 61.0109, 0.2388,  
0.3721

 84.7002, 0.3177,  
0.3107

 60.6176, 0.2386,  
0.3776

 84.9240, 0.3155,  
0.3073

 60.5249, 0.2387,  
0.3792

 85.0887, 0.3138,  
0.3049

# Harmonies

## Analogous

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



73.0518, 0.3052, 0.3497



73.0518, 0.2906, 0.3358



73.0518, 0.2820, 0.3203

# Triad

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



73.0518, 0.2906, 0.3358



73.0518, 0.3028, 0.3021



73.0518, 0.3450, 0.3493

# Complementary

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



73.0518, 0.2906, 0.3358



58.0814, 0.3404, 0.3223

# 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.



73.0518, 0.3444, 0.3363



73.0518, 0.2906, 0.3358



73.0518, 0.3197, 0.3096

# Square

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



73.0518, 0.2906, 0.3358



73.0518, 0.2889, 0.3013



73.0518, 0.3351, 0.3219



73.0518, 0.3367, 0.3573



# Rectangle

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



73.0518, 0.2906, 0.3358



73.0518, 0.2807, 0.3114



73.0518, 0.3351, 0.3219



73.0518, 0.3459, 0.3454

# Sweetspot

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



73.0548, 0.2906, 0.3358



97.5352, 0.3060, 0.3309



72.2955, 0.3150, 0.3743



20.8051, 0.3051, 0.3312



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

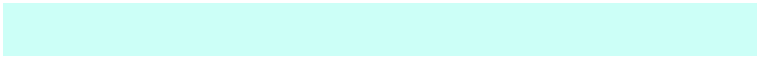


# Same Dimension

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



73.0548, 0.2906, 0.3358



91.0800, 0.2868, 0.3372



66.4004, 0.2864, 0.3140



16.2961, 0.3002, 0.3326



34.2715, 0.2384, 0.3783



2.5429, 0.2362, 0.3703



# Inverse Universe

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



58.0814, 0.3404, 0.3223



69.1933, 0.3466, 0.3210



63.7484, 0.3428, 0.3435



14.4041, 0.3268, 0.3254



9.6061, 0.6179, 0.3178

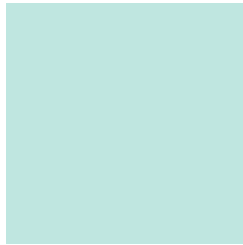


0.7211, 0.5818, 0.2979



# Previews

## White Background



This preview shows how the Yxy color 73.0518, 0.2906, 0.3358 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

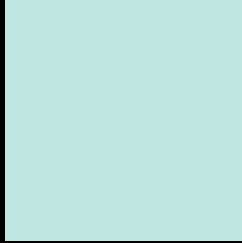
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0518, 0.2906, 0.3358 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

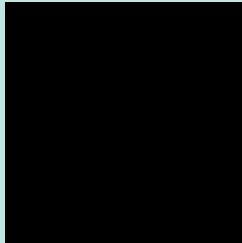
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

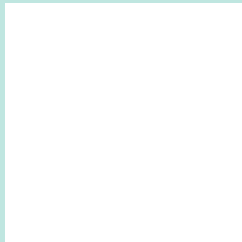
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.0518, 0.2906, 0.3358**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0518, 0.2906, 0.3358.

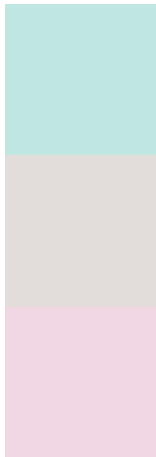


This preview shows how white text looks on a background with the Yxy color 73.0518, 0.2906, 0.3358.

# 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

73.0518, 0.2906, 0.3358

### Protanopia

72.9961, 0.3176, 0.3312

### Deuteranopia

72.6722, 0.3228, 0.3166



## Tritanopia

73.1328, 0.2809, 0.3091

# Trichromacy



## Original Color

73.0518, 0.2906, 0.3358

## Protanomaly

72.6779, 0.3070, 0.3323

## Deuteranomaly

72.2070, 0.3102, 0.3225

## Tritanomaly

73.0706, 0.2849, 0.3189

# Monochromacy



## Original Color

73.0518, 0.2906, 0.3358

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.8198, 0.3042, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0518, 0.2906, 0.3358 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(191, 230, 224)` looks like.

```
.text, #text, p{  
    color:rgb(191, 230, 224)  
}
```

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(191, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 230, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0518, 0.2906, 0.3358 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(191, 230, 224) }
```

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

```
.border{ border-color:rgb(191, 230, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 230, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(191, 230,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0518, 0.2906, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 230, 224) }
```

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

```
.background{ background-color: rgb(191,  
230, 224) }
```

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