

# Converting Colors

$Yxy(73.8906, 0.2934, 0.3501)$

Have a look what the booklet for  
Yxy(73.8906, 0.2934, 0.3501)  
contains.

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# Color

**Yxy(73.7489, 0.2935, 0.3497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE9D7
RGB	187, 233, 215
RGB Percent	73%, 91%, 84%
CMY	0.2666, 0.0863, 0.1570
CMYK	0.20, 0.00, 0.08, 0.09
HSL	156°, 51%, 82%
HSV	156°, 20%, 91%
XYZ	61.8968, 73.7489, 75.2462
YIQ	217.1940, -21.6380, -15.3500

# Conversions

## Conversions Part 2

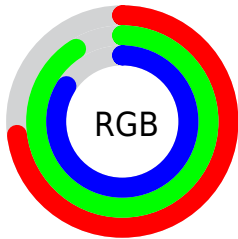
Format	Color
<a href="#">RYB</a>	<a href="#">187, 216, 233</a>
Decimal	<a href="#">12315095</a>
CIELab	<a href="#">88.80, -18.35, 3.87</a>
CIElCh	<a href="#">89, 18.753, 168.081</a>
Yxy	<a href="#">73.7489, 0.2935, 0.3497</a>
Android (android.graphics.Color)	<a href="#">4290505175</a> ( <a href="#">0xFFBBE9D7</a> )
YUV	<a href="#">217.1940, -1.0816, -26.4801</a>
Hunter-Lab	<a href="#">85.8772, -21.6295, 8.1637</a>

# Details

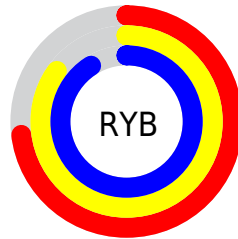
The Yxy color **73.7489, 0.2935, 0.3497** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.2782, 0.3369, 0.3092**, and the grayscale version is **69.5482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **38.9689, 0.2890, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **70.5911, 0.2845, 0.3618**, and if you desaturate by 10%, it is **77.4158, 0.3031, 0.3387**.

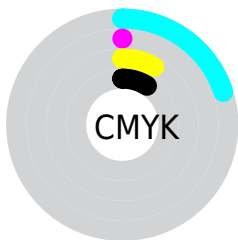
# Distribution



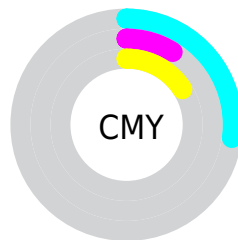
- Red (73%)
- Green (91%)
- Blue (84%)



- Red (73%)
- Yellow (85%)
- Blue (91%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)




- Cyan (27%)
- Magenta (9%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7489, 0.2935, 0.3497 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 73.7489, 0.2935, 0.3497 by changing the saturation by 10% instead.





 73.7489, 0.2935,  
0.3497

 73.7489, 0.2935,  
0.3497


473.6063, 0.3024,  
0.3400

 54.5885, 0.2914,  
0.3519


 124.5398, 0.2966,  
0.3463

 39.0724, 0.2889,  
0.3547


156.9391, 0.2978,  
0.3450

 26.8161, 0.2857,  
0.3583


194.5202, 0.2989,  
0.3439

 17.4351, 0.2814,  
0.3630

237.6675, 0.2998,  
0.3429

 10.5452, 0.2756,  
0.3695

286.7654, 0.3006,  
0.3420

 5.7619, 0.2671,  
0.3791

342.1982, 0.3013,

 2.7009, 0.2536,

0.3413

0.3946

404.3504, 0.3019,  
0.3406

0.9776, 0.2130,  
0.4352

0.0000, 0.0000,  
0.0000

73.7489, 0.2935,  
0.3497

73.7489, 0.2935,  
0.3497

70.5911, 0.2845,  
0.3618

77.4158, 0.3031,  
0.3387

67.9099, 0.2765,  
0.3750


81.6044, 0.3130,  
0.3288


65.6831, 0.2696,  
0.3891


85.9744, 0.3217,  
0.3199


63.8828, 0.2644,  
0.4039

86.5381, 0.3159,  
0.3111


 62.4784, 0.2609,  
0.4191

 86.7610, 0.3137,  
0.3078

 61.4347, 0.2595,  
0.4345

 60.7100, 0.2601,  
0.4498

 60.2354, 0.2624,  
0.4646

 60.2245, 0.2625,  
0.4650

# Harmonies

## Analogous

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



73.7489, 0.3154, 0.3646



73.7489, 0.2935, 0.3497



73.7489, 0.2771, 0.3290

# Triad

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



73.7489, 0.2935, 0.3497



73.7489, 0.2878, 0.2914



73.7489, 0.3573, 0.3463

# Complementary

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



73.7489, 0.2935, 0.3497



57.2782, 0.3369, 0.3092

# 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.



73.7489, 0.3495, 0.3274



73.7489, 0.2935, 0.3497



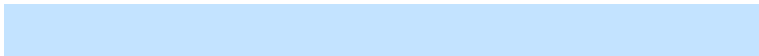
73.7489, 0.3087, 0.2965

# Square

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



73.7489, 0.2935, 0.3497



73.7489, 0.2739, 0.2957



73.7489, 0.3315, 0.3095



73.7489, 0.3527, 0.3617



# Rectangle

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



73.7489, 0.2935, 0.3497



73.7489, 0.2712, 0.3153



73.7489, 0.3315, 0.3095



73.7489, 0.3561, 0.3402

# Sweetspot

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



73.7520, 0.2935, 0.3497



96.8326, 0.3067, 0.3349



74.9063, 0.3227, 0.3813



20.6554, 0.3061, 0.3355



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

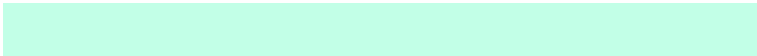


# Same Dimension

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



73.7520, 0.2935, 0.3497



88.7332, 0.2895, 0.3549



72.1597, 0.2829, 0.3237



17.0161, 0.3033, 0.3384



34.1958, 0.2619, 0.4627



2.7040, 0.2561, 0.4421



# Inverse Universe

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



57.2782, 0.3369, 0.3092



64.8054, 0.3436, 0.3046



58.4401, 0.3508, 0.3342



15.1518, 0.3231, 0.3198



10.2842, 0.5407, 0.2753

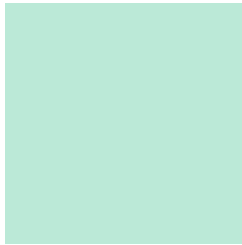


0.8260, 0.5037, 0.2549



# Previews

## White Background



This preview shows how the Yxy color 73.7489, 0.2935, 0.3497 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 73.7489, 0.2935, 0.3497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

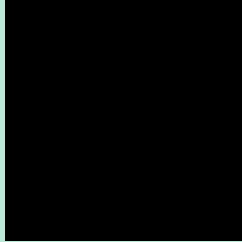
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

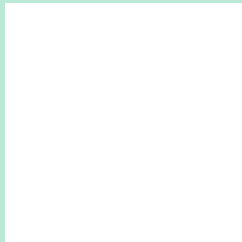
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.7489, 0.2935, 0.3497**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.7489, 0.2935, 0.3497.

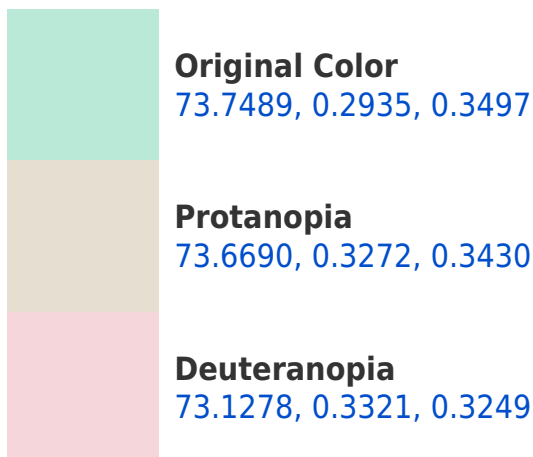


This preview shows how white text looks on a background with the Yxy color 73.7489, 0.2935, 0.3497.

# 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

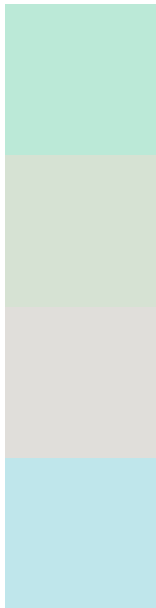




## Tritanopia

73.5397, 0.2786, 0.3080

# Trichromacy



**Original Color**

73.7489, 0.2935, 0.3497

**Protanomaly**

73.3920, 0.3140, 0.3456

**Deuteranomaly**

73.1518, 0.3168, 0.3333

**Tritanomaly**

73.6682, 0.2843, 0.3233

# Monochromacy



**Original Color**

73.7489, 0.2935, 0.3497

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.8550, 0.3054, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.7489, 0.2935, 0.3497 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(187, 233, 215)` looks like.

```
.text, #text, p{  
    color:rgb(187, 233, 215)  
}
```

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(187, 233, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 233, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 73.7489, 0.2935, 0.3497 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(187, 233, 215) }
```

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

```
.border{ border-color:rgb(187, 233, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 233, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 233, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 233, 215);  
box-shadow:4px 4px 4px 4px rgb(187, 233,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.7489, 0.2935, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 233, 215) }
```

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

```
.background{ background-color: rgb(187,  
233, 215) }
```

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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