

# Converting Colors

$Yxy(73.6425, 0.3080, 0.3652)$

Have a look what the booklet for  
Yxy(73.6425, 0.3080, 0.3652)  
contains.

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# Color

**Yxy(73.6660, 0.3077, 0.3646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4E8C9
RGB	196, 232, 201
RGB Percent	77%, 91%, 79%
CMY	0.2313, 0.0902, 0.2117
CMYK	0.16, 0.00, 0.13, 0.09
HSL	128°, 44%, 84%
HSV	128°, 16%, 91%
XYZ	62.1696, 73.6660, 66.2105
YIQ	217.7020, -11.5050, -17.2730

# Conversions

## Conversions Part 2

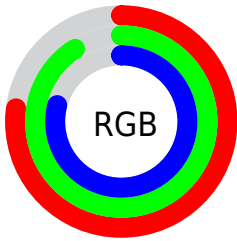
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 228, 232
Decimal	12904649
CIE <sub>Lab</sub>	88.76, -17.54, 11.19
CIE <sub>LCh</sub>	89, 20.807, 147.476
Yxy	73.6660, 0.3077, 0.3646
Android (android.graphics.Color)	4291094729 (0xFFC4E8C9)
YUV	217.7020, -8.2341, -19.0327
Hunter-Lab	85.8289, -20.9053, 14.3425

# Details

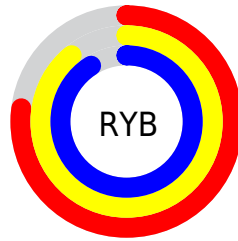
The Yxy color **73.6660, 0.3077, 0.3646** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.1914, 0.3182, 0.2958**, and the grayscale version is **69.9636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **38.9080, 0.3063, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **69.9143, 0.3044, 0.3913**, and if you desaturate by 10%, it is **78.0273, 0.3110, 0.3408**.

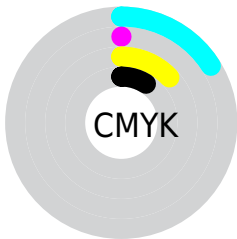
# Distribution



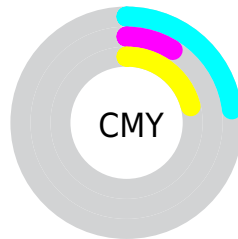
- Red (77%)
- Green (91%)
- Blue (79%)



- Red (77%)
- Yellow (89%)
- Blue (91%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)




- Cyan (23%)
- Magenta (9%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6660, 0.3077, 0.3646 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 73.6660, 0.3077, 0.3646 by changing the saturation by 10% instead.




 73.6660, 0.3077,  
0.3646

 73.6660, 0.3077,  
0.3646

473.3198, 0.3102,  
0.3477

 54.5207, 0.3071,  
0.3686


124.4222, 0.3086,  
0.3587

 39.0181, 0.3063,  
0.3735


156.8020, 0.3090,  
0.3564

 26.7738, 0.3052,  
0.3798


194.3620, 0.3093,  
0.3544

 17.4034, 0.3037,  
0.3883

237.4866, 0.3095,  
0.3527

 10.5225, 0.3016,  
0.4000

286.5603, 0.3097,  
0.3513

 5.7468, 0.2982,  
0.4176

341.9675, 0.3099,

 2.6917, 0.2920,

0.3499

0.4464

404.0926, 0.3101,  
0.3488

0.9730, 0.2837,  
0.5588

0.0000, 0.0000,  
0.0000

73.6660, 0.3077,  
0.3646

73.6660, 0.3077,  
0.3646

69.9143, 0.3044,  
0.3913

78.0273, 0.3110,  
0.3408

66.7362, 0.3013,  
0.4207

83.0138, 0.3141,  
0.3200

64.1059, 0.2985,  
0.4520

86.1926, 0.3138,  
0.3068

61.9924, 0.2963,  
0.4843

■ 60.3611, 0.2949,  
0.5156

■ 59.1735, 0.2945,  
0.5441

■ 58.3850, 0.2951,  
0.5677

■ 57.9413, 0.2966,  
0.5848

■ 57.8180, 0.2973,  
0.5903

# Harmonies

## Analogous

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



73.6660, 0.3326, 0.3733



73.6660, 0.3077, 0.3646



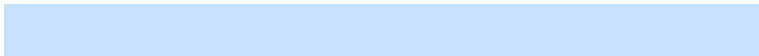
73.6660, 0.2848, 0.3451

# Triad

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



73.6660, 0.3077, 0.3646



73.6660, 0.2735, 0.2895



73.6660, 0.3577, 0.3338

# Complementary

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



73.6660, 0.3077, 0.3646



62.1914, 0.3182, 0.2958

# 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.



73.6660, 0.3407, 0.3132



73.6660, 0.3077, 0.3646



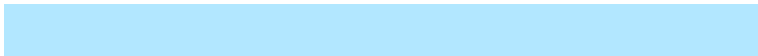
73.6660, 0.2917, 0.2882

# Square

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



73.6660, 0.3077, 0.3646



73.6660, 0.2656, 0.3013



73.6660, 0.3162, 0.2968



73.6660, 0.3622, 0.3541



# Rectangle

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



73.6660, 0.3077, 0.3646



73.6660, 0.2735, 0.3293



73.6660, 0.3162, 0.2968



73.6660, 0.3533, 0.3267

# Sweetspot

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



73.6691, 0.3077, 0.3646



96.9744, 0.3111, 0.3398



78.0628, 0.3325, 0.3679



20.6689, 0.3109, 0.3413



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

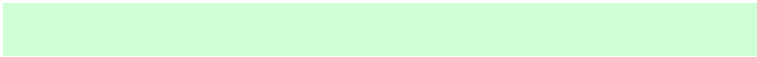


# Same Dimension

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



73.6691, 0.3077, 0.3646



89.5389, 0.3065, 0.3739



74.5556, 0.2970, 0.3439



16.1216, 0.3097, 0.3499



32.1094, 0.2968, 0.5886



2.3832, 0.2908, 0.5668



# Inverse Universe

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



62.1914, 0.3182, 0.2958



72.4621, 0.3196, 0.2879



61.2593, 0.3316, 0.3146



14.5790, 0.3159, 0.3090



11.8477, 0.3593, 0.1753

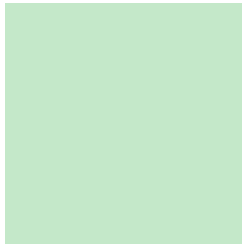


0.8850, 0.3529, 0.1717



# Previews

## White Background



This preview shows how the Yxy color 73.6660, 0.3077, 0.3646 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 73.6660, 0.3077, 0.3646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

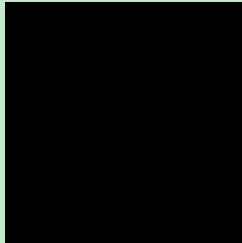
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

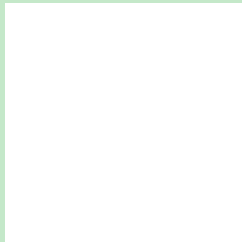
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.6660, 0.3077, 0.3646**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6660, 0.3077, 0.3646.

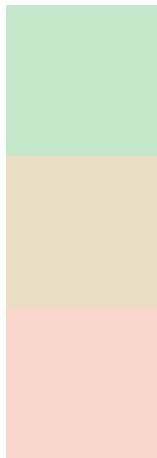


This preview shows how white text looks on a background with the Yxy color 73.6660, 0.3077, 0.3646.

# 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

73.6660, 0.3077, 0.3646

### Protanopia

73.5517, 0.3383, 0.3571

### Deuteranopia

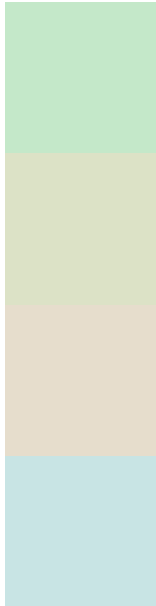
73.3326, 0.3460, 0.3394



## Tritanopia

73.6209, 0.2864, 0.3094

# Trichromacy



**Original Color**

73.6660, 0.3077, 0.3646

**Protanomaly**

73.6856, 0.3268, 0.3599

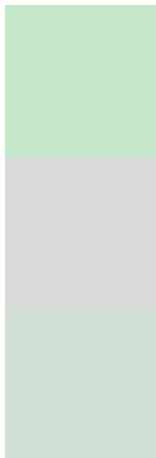
**Deuteranomaly**

72.8955, 0.3307, 0.3474

**Tritanomaly**

73.3676, 0.2940, 0.3289

# Monochromacy



**Original Color**

73.6660, 0.3077, 0.3646

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

71.2305, 0.3107, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6660, 0.3077, 0.3646 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(196, 232, 201)` looks like.

```
.text, #text, p{  
    color:rgb(196, 232, 201)  
}
```

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(196, 232, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 232, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6660, 0.3077, 0.3646 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(196, 232, 201) }
```

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

```
.border{ border-color:rgb(196, 232, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 232, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 232, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 232, 201); box-shadow:4px 4px 4px 4px rgb(196, 232, 201) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6660, 0.3077, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 232, 201) }
```

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

```
.background{ background-color: rgb(196,  
232, 201) }
```

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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