

# Converting Colors

$Yxy(73.3438, 0.3047, 0.3576)$

Have a look what the booklet for  
Yxy(73.3438, 0.3047, 0.3576)  
contains.

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# Color

**Yxy(73.3438, 0.3047, 0.3576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4E7CE
RGB	196, 231, 206
RGB Percent	77%, 91%, 81%
CMY	0.2311, 0.0942, 0.1921
CMYK	0.15, 0.00, 0.11, 0.09
HSL	137°, 42%, 84%
HSV	137°, 15%, 91%
XYZ	62.4940, 73.3438, 69.2623
YIQ	217.6850, -12.8350, -15.1950

# Conversions

## Conversions Part 2

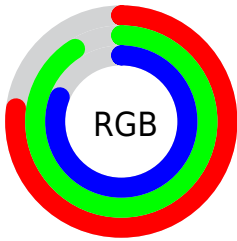
Format	Color
<b>RYB</b>	196, 223, 231
Decimal	12904398
CIELab	88.61, -16.13, 8.36
CIELCh	89, 18.168, 152.607
Yxy	73.3438, 0.3047, 0.3576
Android (android.graphics.Color)	4291094478 (0xFFC4E7CE)
YUV	217.6850, -5.7607, -19.0177
Hunter-Lab	85.6410, -19.6166, 11.9978

# Details

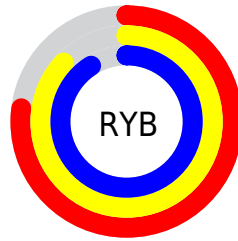
The Yxy color **73.3438, 0.3047, 0.3576** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.7172, 0.3218, 0.3020**, and the grayscale version is **69.9389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **38.6777, 0.3025, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **69.7217, 0.2995, 0.3795**, and if you desaturate by 10%, it is **77.5334, 0.3100, 0.3381**.

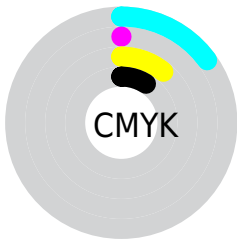
# Distribution



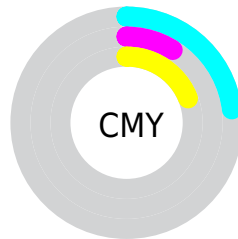
- Red (77%)
- Green (91%)
- Blue (81%)



- Red (77%)
- Yellow (87%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)



- Cyan (23%)
- Magenta (9%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3438, 0.3047, 0.3576 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 73.3438, 0.3047, 0.3576 by changing the saturation by 10% instead.



 73.3438, 0.3047,  
0.3576

 73.3438, 0.3047,  
0.3576


472.2055, 0.3085,  
0.3441

 54.2571, 0.3038,  
0.3608


123.9652, 0.3061,  
0.3529

 38.8073, 0.3026,  
0.3647

156.2686, 0.3066,  
0.3510

 26.6098, 0.3012,  
0.3697


193.7465, 0.3070,  
0.3495

 17.2804, 0.2992,  
0.3765

236.7832, 0.3074,  
0.3481

 10.4346, 0.2964,  
0.3858

285.7630, 0.3078,  
0.3469

 5.6881, 0.2921,  
0.3997

341.0704, 0.3080,

 2.6563, 0.2849,

0.3459

0.4225

403.0898, 0.3083,  
0.3449

0.9551, 0.2667,  
0.4972

0.0000, 0.0000,  
0.0000

73.3438, 0.3047,  
0.3576

73.3438, 0.3047,  
0.3576

69.7217, 0.2995,  
0.3795

77.5334, 0.3100,  
0.3381

66.6334, 0.2947,  
0.4035

82.3041, 0.3153,  
0.3209

64.0559, 0.2906,  
0.4296

85.6261, 0.3138,  
0.3058

61.9608, 0.2874,  
0.4568

■ 60.3170, 0.2854,  
0.4845

■ 59.0893, 0.2850,  
0.5112

■ 58.2372, 0.2862,  
0.5357

■ 57.7117, 0.2888,  
0.5567

■ 57.5372, 0.2904,  
0.5654

# Harmonies

## Analogous

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



73.3438, 0.3266, 0.3671



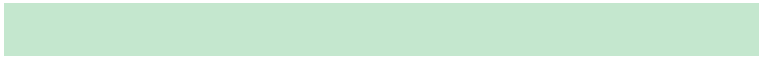
73.3438, 0.3047, 0.3576



73.3438, 0.2854, 0.3397

# Triad

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



73.3438, 0.3047, 0.3576



73.3438, 0.2805, 0.2935



73.3438, 0.3535, 0.3365

# Complementary

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



73.3438, 0.3047, 0.3576



61.7172, 0.3218, 0.3020

# 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.



73.3438, 0.3403, 0.3181



73.3438, 0.3047, 0.3576



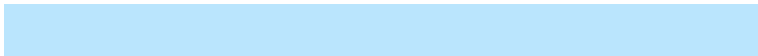
73.3438, 0.2978, 0.2938

# Square

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



73.3438, 0.3047, 0.3576



73.3438, 0.2718, 0.3024



73.3438, 0.3197, 0.3027



73.3438, 0.3553, 0.3538



# Rectangle

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



73.3438, 0.3047, 0.3576



73.3438, 0.2764, 0.3259



73.3438, 0.3197, 0.3027



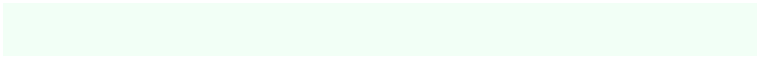
73.3438, 0.3503, 0.3303

# Sweetspot

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



73.3469, 0.3047, 0.3576



97.0881, 0.3101, 0.3379



76.5212, 0.3283, 0.3673



20.6964, 0.3097, 0.3392



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

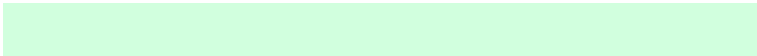


# Same Dimension

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



73.3469, 0.3047, 0.3576



90.3733, 0.3031, 0.3639



74.2406, 0.2942, 0.3375



16.1563, 0.3077, 0.3463



32.2779, 0.2896, 0.5627



2.4008, 0.2816, 0.5337



# Inverse Universe

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



61.7172, 0.3218, 0.3020



73.3162, 0.3239, 0.2965



60.8366, 0.3351, 0.3207



14.5415, 0.3181, 0.3123



11.0734, 0.4087, 0.2025



0.8341, 0.3929, 0.1938



# Previews

## White Background



This preview shows how the Yxy color 73.3438, 0.3047, 0.3576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

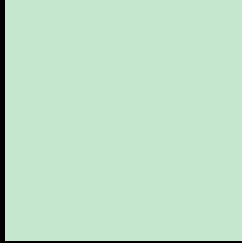
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.3438, 0.3047, 0.3576 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

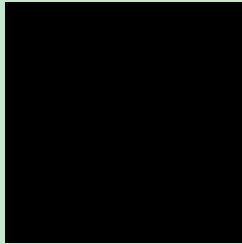
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

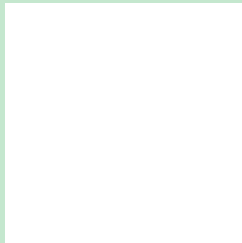
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.3438, 0.3047, 0.3576**

## Background



This preview shows how black text looks on a background with the Yxy color 73.3438, 0.3047, 0.3576.

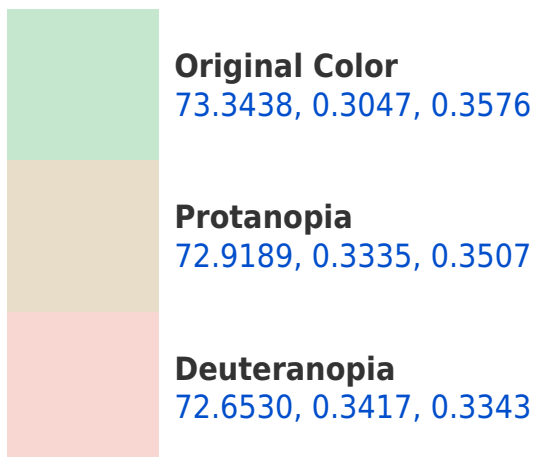


This preview shows how white text looks on a background with the Yxy color 73.3438, 0.3047, 0.3576.

# 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

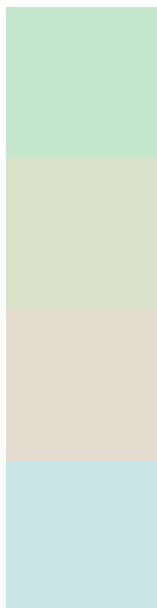




## Tritanopia

73.4809, 0.2858, 0.3093

# Trichromacy



## Original Color

73.3438, 0.3047, 0.3576

## Protanomaly

73.0677, 0.3222, 0.3534

## Deuteranomaly

72.3985, 0.3273, 0.3420

## Tritanomaly

73.4793, 0.2928, 0.3267

# Monochromacy



## Original Color

73.3438, 0.3047, 0.3576

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.3320, 0.3094, 0.3390

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3438, 0.3047, 0.3576 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, 231, 206)` looks like.

```
.text, #text, p{  
    color:rgb(196, 231, 206)  
}
```

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, 231, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 231, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3438, 0.3047, 0.3576 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, 231, 206) }
```

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

```
.border{ border-color:rgb(196, 231, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 231, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 231, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 231, 206); box-shadow:4px 4px 4px 4px rgb(196, 231, 206) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3438, 0.3047, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 231, 206) }
```

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

```
.background{ background-color: rgb(196,  
231, 206) }
```

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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