

# Converting Colors

$Yxy(73.0323, 0.3077, 0.3312)$

Have a look what the booklet for  
Yxy(73.0323, 0.3077, 0.3312)  
contains.

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# Color

**Yxy(73.0323, 0.3077, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E0DE
RGB	215, 224, 222
RGB Percent	84%, 88%, 87%
CMY	0.1571, 0.1215, 0.1294
CMYK	0.04, 0.00, 0.01, 0.12
HSL	167°, 13%, 86%
HSV	167°, 4%, 88%
XYZ	67.8504, 73.0323, 79.6255
YIQ	221.0810, -4.7220, -2.5300

# Conversions

## Conversions Part 2

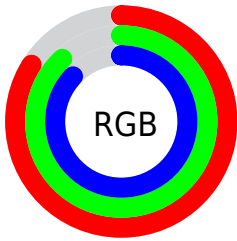
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 220, 224
Decimal	14147806
CIE Lab	88.46, -3.41, -0.08
CIE LCh	88, 3.410, 181.341
Yxy	73.0323, 0.3077, 0.3312
Android (android.graphics.Color)	4292337886 (0xFFD7E0DE)
YUV	221.0810, 0.4531, -5.3330
Hunter-Lab	85.4589, -7.8326, 4.5784

# Details

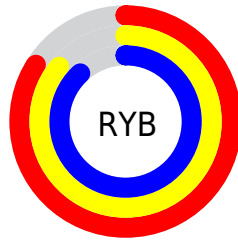
The Yxy color **73.0323, 0.3077, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4276, 0.3180, 0.3268**, and the grayscale version is **72.3608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.6395, 0.3063, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **69.6104, 0.2956, 0.3370**, and if you desaturate by 10%, it is **76.9326, 0.3201, 0.3259**.

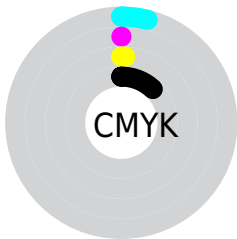
# Distribution



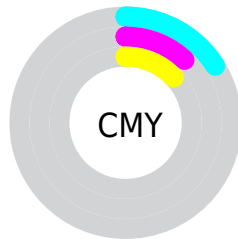
- Red (84%)
- Green (88%)
- Blue (87%)



- Red (84%)
- Yellow (86%)
- Blue (88%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (16%)
- Magenta (12%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0323, 0.3077, 0.3312 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 73.0323, 0.3077, 0.3312 by changing the saturation by 10% instead.



■ 73.0323, 0.3077,  
0.3312

■ 73.0323, 0.3077,  
0.3312

471.1267, 0.3100,  
0.3302

■ 54.0024, 0.3072,  
0.3314

123.5231, 0.3085,  
0.3309

■ 38.6036, 0.3065,  
0.3317

155.7527, 0.3088,  
0.3307

■ 26.4515, 0.3057,  
0.3321

193.1510, 0.3091,  
0.3306

■ 17.1617, 0.3046,  
0.3325

236.1024, 0.3093,  
0.3305

■ 10.3498, 0.3031,  
0.3332

284.9913, 0.3095,  
0.3304

■ 5.6315, 0.3009,  
0.3341

340.2020, 0.3097,

■ 2.6223, 0.2975,

0.3303

0.3356

402.1191, 0.3099,  
0.3303

0.9379, 0.2912,  
0.3383

0.0000, 0.0000,  
0.0000

73.0323, 0.3077,  
0.3312

73.0323, 0.3077,  
0.3312

69.6104, 0.2956,  
0.3370

76.9326, 0.3201,  
0.3259

66.6389, 0.2842,  
0.3434


80.4094, 0.3294,  
0.3211

64.1007, 0.2738,  
0.3503

80.6972, 0.3260,  
0.3162

61.9742, 0.2645,  
0.3577


80.9932, 0.3227,  
0.3114

 60.2359, 0.2568,  
0.3655


 81.2973, 0.3194,  
0.3066

 58.8598, 0.2509,  
0.3736

 81.6097, 0.3161,  
0.3018

 57.8170, 0.2469,  
0.3818

 81.8040, 0.3141,  
0.2990

 57.0736, 0.2449,  
0.3901

 56.5887, 0.2448,  
0.3983

# Harmonies

## Analogous

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



73.0323, 0.3115, 0.3343



73.0323, 0.3077, 0.3312



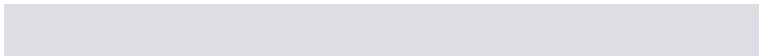
73.0323, 0.3053, 0.3275

# Triad

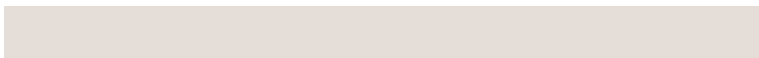
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.0323, 0.3077, 0.3312



73.0323, 0.3098, 0.3221



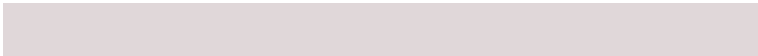
73.0323, 0.3207, 0.3337

# Complementary

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



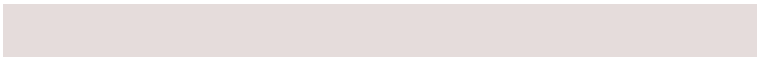
73.0323, 0.3077, 0.3312



69.4276, 0.3180, 0.3268

# 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.



73.0323, 0.3202, 0.3305



73.0323, 0.3077, 0.3312



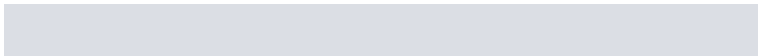
73.0323, 0.3139, 0.3238

# Square

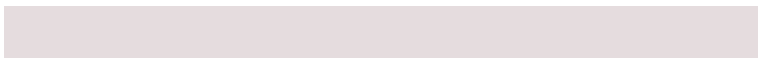
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



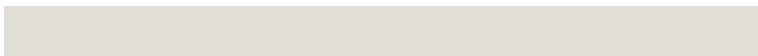
73.0323, 0.3077, 0.3312



73.0323, 0.3065, 0.3223



73.0323, 0.3178, 0.3268



73.0323, 0.3190, 0.3358



# Rectangle

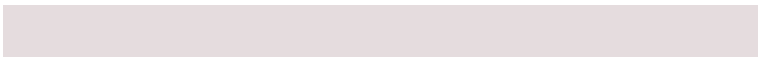
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



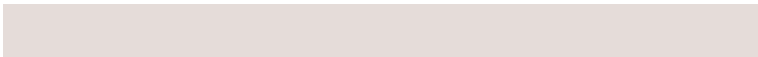
73.0323, 0.3077, 0.3312



73.0323, 0.3047, 0.3252



73.0323, 0.3178, 0.3268



73.0323, 0.3208, 0.3327

# Sweetspot

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



73.0354, 0.3077, 0.3312



99.4830, 0.3115, 0.3295



72.9876, 0.3137, 0.3390



21.2989, 0.3115, 0.3295



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.



73.0354, 0.3077, 0.3312



97.4798, 0.3065, 0.3318



71.8512, 0.3065, 0.3263



15.8053, 0.3057, 0.3321



32.8295, 0.2450, 0.4019



2.2886, 0.2415, 0.3892



# Inverse Universe

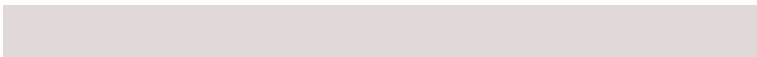
The Inverse Universe completely reimagines the original color for something new.



69.4276, 0.3180, 0.3268



91.5114, 0.3193, 0.3263



70.5657, 0.3192, 0.3317



14.7175, 0.3202, 0.3259



9.3722, 0.6004, 0.3081

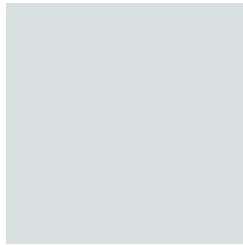


0.6631, 0.5571, 0.2843



# Previews

## White Background



This preview shows how the Yxy color 73.0323, 0.3077, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

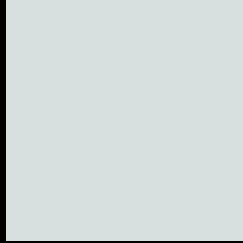
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0323, 0.3077, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

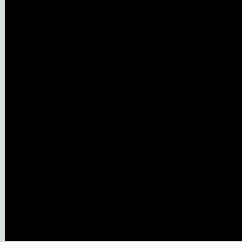
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

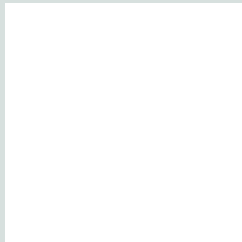
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.0323, 0.3077, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0323, 0.3077, 0.3312.



This preview shows how white text looks on a background with the Yxy color 73.0323, 0.3077, 0.3312.

# 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

72.8503, 0.2991, 0.3097

# Trichromacy



## Original Color

73.0323, 0.3077, 0.3312

## Protanomaly

72.9926, 0.3134, 0.3301

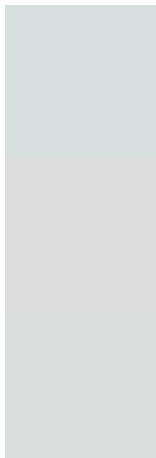
## Deuteranomaly

72.6263, 0.3195, 0.3237

## Tritanomaly

72.8775, 0.3022, 0.3171

# Monochromacy



## Original Color

73.0323, 0.3077, 0.3312

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.5231, 0.3113, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0323, 0.3077, 0.3312 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(215, 224, 222) looks like.

```
.text, #text, p{  
    color:rgb(215, 224, 222)  
}
```

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(215, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 224, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0323, 0.3077, 0.3312 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(215, 224, 222) }
```

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

```
.border{ border-color:rgb(215, 224, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 224, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 224, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 224, 222); box-shadow:4px 4px 4px 4px rgb(215, 224, 222) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 73.0323, 0.3077, 0.3312$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 224, 222) }
```

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

```
.background{ background-color: rgb(215,  
224, 222) }
```

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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