

# Converting Colors

$Yxy(74.6335, 0.3055, 0.3356)$

Have a look what the booklet for  
Yxy(74.6335, 0.3055, 0.3356)  
contains.

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# Color

**Yxy(74.7578, 0.3056, 0.3356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4E4DE
RGB	212, 228, 222
RGB Percent	83%, 89%, 87%
CMY	0.1686, 0.1058, 0.1295
CMYK	0.07, 0.00, 0.03, 0.11
HSL	157°, 23%, 86%
HSV	157°, 7%, 89%
XYZ	68.0750, 74.7578, 79.9258
YIQ	222.5320, -7.6100, -5.2580

# Conversions

## Conversions Part 2

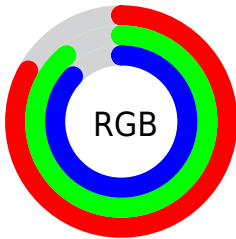
Format	Color
R <sub>YB</sub>	212, 222, 228
Decimal	13952222
CIE Lab	89.28, -6.43, 1.10
CIE LCh	89, 6.528, 170.287
Yxy	74.7578, 0.3056, 0.3356
Android (android.graphics.Color)	4292142302 (0xFFD4E4DE)
YUV	222.5320, -0.2623, -9.2366
Hunter-Lab	86.4626, -10.7702, 5.7163

# Details

The Yxy color **74.7578, 0.3056, 0.3356** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.6449, 0.3204, 0.3225**, and the grayscale version is **73.4488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.8453, 0.3035, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **71.1588, 0.2957, 0.3459**, and if you desaturate by 10%, it is **78.8652, 0.3158, 0.3264**.

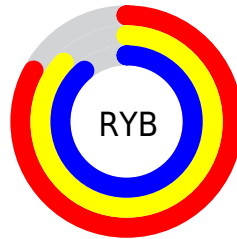
# Distribution



Red (83%)

Green (89%)

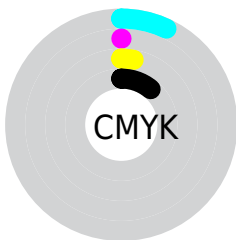
Blue (87%)



Red (83%)

Yellow (87%)

Blue (89%)

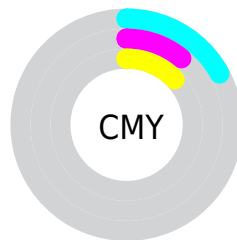


Cyan (7%)

Magenta (0%)

Yellow (3%)

Black (11%)



Cyan (17%)

Magenta (11%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7578, 0.3056, 0.3356 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 74.7578, 0.3056, 0.3356 by changing the saturation by 10% instead.



■ 74.7578, 0.3056,  
0.3356

■ 74.7578, 0.3056,  
0.3356

477.0847, 0.3089,  
0.3326

■ 55.4145, 0.3048,  
0.3363

125.9695, 0.3067,  
0.3345

■ 39.7337, 0.3039,  
0.3372

158.6066, 0.3072,  
0.3341

■ 27.3310, 0.3027,  
0.3383

196.4438, 0.3076,  
0.3338

■ 17.8219, 0.3012,  
0.3397

239.8655, 0.3079,  
0.3335

■ 10.8222, 0.2991,  
0.3416

289.2560, 0.3082,  
0.3332

■ 5.9474, 0.2961,  
0.3445

344.9998, 0.3085,

■ 2.8131, 0.2913,

0.3330

0.3490

407.4812, 0.3087,  
0.3327

■ 1.0350, 0.2827,  
0.3571

■ 0.0000, 0.0000,  
0.0000

■ 74.7578, 0.3056,  
0.3356

■ 74.7578, 0.3056,  
0.3356

■ 71.1588, 0.2957,  
0.3459

■ 78.8652, 0.3158,  
0.3264

■ 68.0383, 0.2864,  
0.3572

■ 82.9944, 0.3242,  
0.3181

■ 65.3779, 0.2779,  
0.3696

■ 83.5155, 0.3186,  
0.3097

■ 63.1541, 0.2706,  
0.3829

■ 83.9721, 0.3139,  
0.3029

■ 61.3414, 0.2647,  
0.3969

■ 59.9115, 0.2606,  
0.4114

■ 58.8325, 0.2585,  
0.4261

■ 58.0670, 0.2584,  
0.4408

■ 57.5664, 0.2602,  
0.4552

# Harmonies

## Analogous

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



74.7578, 0.3132, 0.3407



74.7578, 0.3056, 0.3356



74.7578, 0.2999, 0.3287

# Triad

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



74.7578, 0.3056, 0.3356



74.7578, 0.3046, 0.3157



74.7578, 0.3281, 0.3358

# Complementary

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



74.7578, 0.3056, 0.3356



68.6449, 0.3204, 0.3225

# 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.



74.7578, 0.3257, 0.3292



74.7578, 0.3056, 0.3356



74.7578, 0.3121, 0.3177

# Square

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



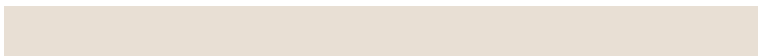
74.7578, 0.3056, 0.3356



74.7578, 0.2993, 0.3172



74.7578, 0.3198, 0.3226



74.7578, 0.3263, 0.3408



# Rectangle

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



74.7578, 0.3056, 0.3356



74.7578, 0.2980, 0.3240



74.7578, 0.3198, 0.3226



74.7578, 0.3277, 0.3337

# Sweetspot

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



74.7610, 0.3056, 0.3356



98.9222, 0.3107, 0.3308



75.1717, 0.3161, 0.3465



21.1847, 0.3108, 0.3307



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.



74.7610, 0.3056, 0.3356



95.8483, 0.3046, 0.3366



74.0683, 0.3019, 0.3269



16.2394, 0.3032, 0.3380



33.1913, 0.2604, 0.4573



2.4706, 0.2545, 0.4363



# Inverse Universe

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



68.6449, 0.3204, 0.3225



86.8765, 0.3216, 0.3215



69.2737, 0.3245, 0.3311



14.4575, 0.3233, 0.3202



9.9336, 0.5464, 0.2784

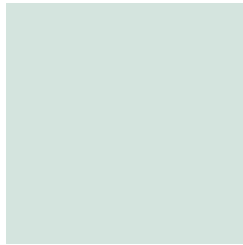


0.7517, 0.5067, 0.2565



# Previews

## White Background



This preview shows how the Yxy color 74.7578, 0.3056, 0.3356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

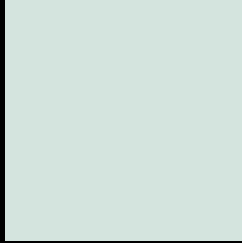
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7578, 0.3056, 0.3356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

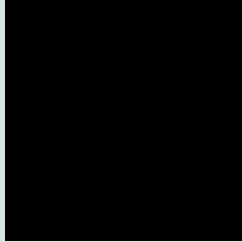
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

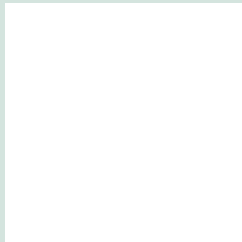
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.7578, 0.3056, 0.3356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7578, 0.3056, 0.3356.

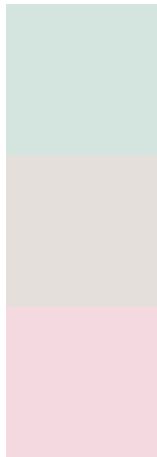


This preview shows how white text looks on a background with the Yxy color 74.7578, 0.3056, 0.3356.

# 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

74.7578, 0.3056, 0.3356

### Protanopia

74.5478, 0.3196, 0.3333

### Deuteranopia

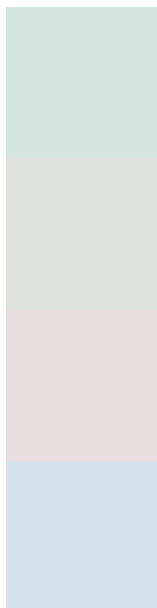
74.4200, 0.3284, 0.3218



## Tritanopia

74.7686, 0.2947, 0.3098

# Trichromacy



## Original Color

74.7578, 0.3056, 0.3356

## Protanomaly

74.7057, 0.3146, 0.3344

## Deuteranomaly

74.3643, 0.3199, 0.3269

## Tritanomaly

74.6870, 0.2989, 0.3193

# Monochromacy



## Original Color

74.7578, 0.3056, 0.3356

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.2382, 0.3098, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7578, 0.3056, 0.3356 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(212, 228, 222)` looks like.

```
.text, #text, p{  
    color:rgb(212, 228, 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(212, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 228, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7578, 0.3056, 0.3356 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(212, 228, 222) }
```

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

```
.border{ border-color:rgb(212, 228, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 228, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(212, 228,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7578, 0.3056, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 228, 222) }
```

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

```
.background{ background-color: rgb(212,  
228, 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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