

# Converting Colors

$Yxy(75.9307, 0.3095, 0.3298)$

Have a look what the booklet for  
Yxy(75.9307, 0.3095, 0.3298)  
contains.

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# Color

**Yxy(75.9588, 0.3099, 0.3301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEE3E2
RGB	222, 227, 226
RGB Percent	87%, 89%, 89%
CMY	0.1295, 0.1097, 0.1138
CMYK	0.02, 0.00, 0.00, 0.11
HSL	168°, 8%, 88%
HSV	168°, 2%, 89%
XYZ	71.3106, 75.9588, 82.8390
YIQ	225.3910, -2.6590, -1.3710

# Conversions

## Conversions Part 2

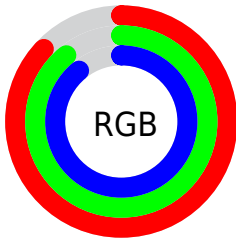
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 225, 227
Decimal	14607330
CIE Lab	89.84, -1.87, -0.10
CIE LCh	90, 1.876, 182.983
Yxy	75.9588, 0.3099, 0.3301
Android (android.graphics.Color)	4292797410 (0xFFDEE3E2)
YUV	225.3910, 0.3002, -2.9739
Hunter-Lab	87.1543, -6.4695, 4.6537

# Details

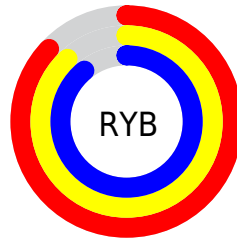
The Yxy color **75.9588, 0.3099, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.8869, 0.3156, 0.3279**, and the grayscale version is **75.5881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.6608, 0.3091, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **72.3635, 0.2975, 0.3354**, and if you desaturate by 10%, it is **80.0501, 0.3227, 0.3254**.

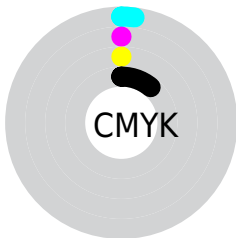
# Distribution



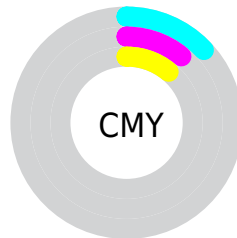
- Red (87%)
- Green (89%)
- Blue (89%)



- Red (87%)
- Yellow (88%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9588, 0.3099, 0.3301 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 75.9588, 0.3099, 0.3301 by changing the saturation by 10% instead.



■ 75.9588, 0.3099,  
0.3301

■ 75.9588, 0.3099,  
0.3301

481.2067, 0.3112,  
0.3296

■ 56.3987, 0.3096,  
0.3302

127.6687, 0.3103,  
0.3299

■ 40.5227, 0.3092,  
0.3304

160.5872, 0.3105,  
0.3299

■ 27.9463, 0.3088,  
0.3305

198.7275, 0.3107,  
0.3298

■ 18.2852, 0.3082,  
0.3308

242.4737, 0.3108,  
0.3298

■ 11.1549, 0.3074,  
0.3311

292.2103, 0.3109,  
0.3297

■ 6.1711, 0.3062,  
0.3315

348.3218, 0.3110,

■ 2.9494, 0.3044,

0.3297

0.3322

411.1924, 0.3111,  
0.3296

■ 1.1054, 0.3012,  
0.3334

■ 0.0000, 0.0000,  
0.0000

■ 75.9588, 0.3099,  
0.3301

■ 75.9588, 0.3099,  
0.3301

■ 72.3635, 0.2975,  
0.3354

■ 80.0501, 0.3227,  
0.3254

■ 69.2354, 0.2857,  
0.3412


■ 82.2237, 0.3268,  
0.3209

■ 66.5572, 0.2749,  
0.3474


■ 82.4973, 0.3237,  
0.3163


■ 64.3068, 0.2652,  
0.3541


■ 82.7780, 0.3207,  
0.3118

 62.4604, 0.2571,  
0.3612


 83.0659, 0.3176,  
0.3073


 60.9918, 0.2507,  
0.3686

 83.3610, 0.3146,  
0.3029

 59.8716, 0.2462,  
0.3761

 83.4277, 0.3140,  
0.3019

 59.0659, 0.2437,  
0.3836

 58.5341, 0.2431,  
0.3912

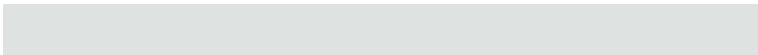
# Harmonies

## Analogous

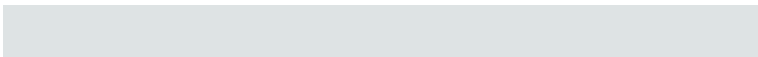
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9588, 0.3119, 0.3318



75.9588, 0.3099, 0.3301



75.9588, 0.3086, 0.3281

# Triad

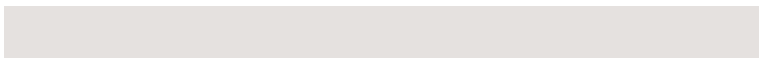
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9588, 0.3099, 0.3301



75.9588, 0.3113, 0.3253



75.9588, 0.3170, 0.3317

# Complementary

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



75.9588, 0.3099, 0.3301



73.8869, 0.3156, 0.3279

# Split Complementary

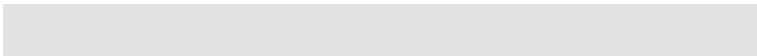
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9588, 0.3168, 0.3299



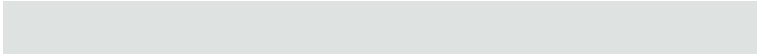
75.9588, 0.3099, 0.3301



75.9588, 0.3135, 0.3263

# Square

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



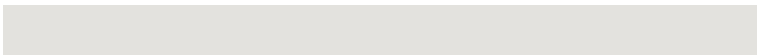
75.9588, 0.3099, 0.3301



75.9588, 0.3094, 0.3253



75.9588, 0.3156, 0.3279



75.9588, 0.3160, 0.3327



# Rectangle

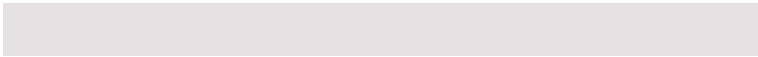
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.9588, 0.3099, 0.3301



75.9588, 0.3084, 0.3269



75.9588, 0.3156, 0.3279



75.9588, 0.3171, 0.3311

# Sweetspot

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



75.9620, 0.3099, 0.3301



99.4859, 0.3114, 0.3295



75.9176, 0.3132, 0.3344



21.2995, 0.3115, 0.3295



0.0000, 0.0000, 0.0000

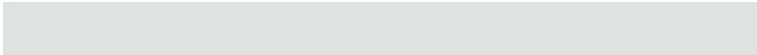


21.4041, 0.3127, 0.3290



# Same Dimension

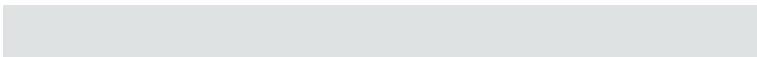
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9620, 0.3099, 0.3301



98.4770, 0.3089, 0.3305



75.2396, 0.3093, 0.3275



16.7403, 0.3079, 0.3309



33.9881, 0.2433, 0.3958



2.5244, 0.2403, 0.3849



# Inverse Universe

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



73.8869, 0.3156, 0.3279



94.8305, 0.3167, 0.3275



74.5943, 0.3162, 0.3305



15.9643, 0.3177, 0.3271



9.6557, 0.6055, 0.3109

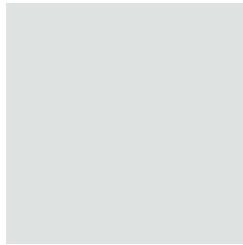


0.7268, 0.5655, 0.2889



# Previews

## White Background



This preview shows how the Yxy color 75.9588, 0.3099, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

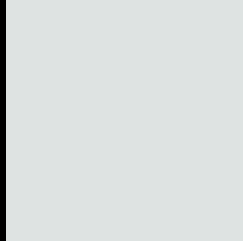
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9588, 0.3099, 0.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

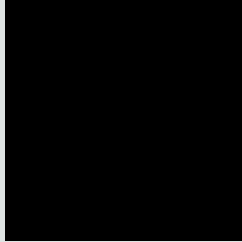
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

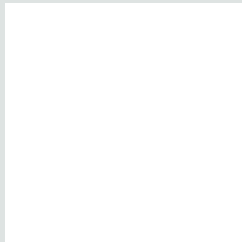
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.9588, 0.3099, 0.3301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9588, 0.3099, 0.3301.

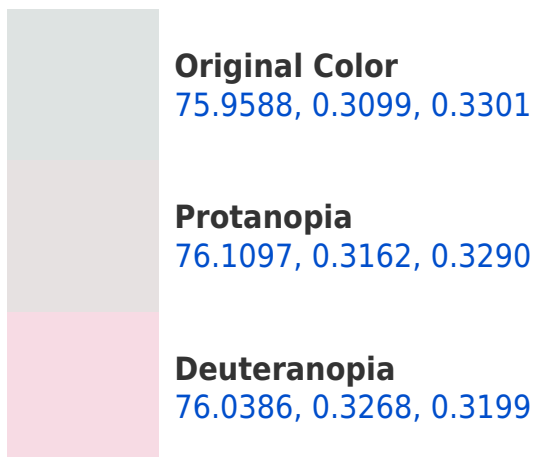


This preview shows how white text looks on a background with the Yxy color 75.9588, 0.3099, 0.3301.

# 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

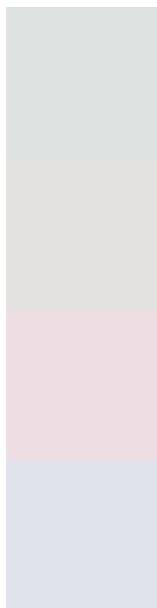




## Tritanopia

76.2688, 0.3019, 0.3112

# Trichromacy



## Original Color

75.9588, 0.3099, 0.3301

## Protanomaly

76.1598, 0.3141, 0.3301

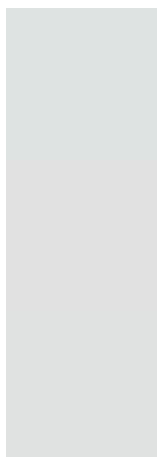
## Deuteranomaly

75.9657, 0.3208, 0.3238

## Tritanomaly

76.2961, 0.3050, 0.3184

# Monochromacy



## Original Color

75.9588, 0.3099, 0.3301

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.6762, 0.3120, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9588, 0.3099, 0.3301 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(222, 227, 226)` looks like.

```
.text, #text, p{  
    color:rgb(222, 227, 226)  
}
```

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(222, 227, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 227, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9588, 0.3099, 0.3301 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(222, 227, 226) }
```

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

```
.border{ border-color:rgb(222, 227, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 227, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 227, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 227, 226);  
box-shadow:4px 4px 4px 4px rgb(222, 227,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9588, 0.3099, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 227, 226) }
```

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

```
.background{ background-color: rgb(222,  
227, 226) }
```

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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