

# Converting Colors

$Y_{xy}(79.7353, 0.3094, 0.3288)$

Have a look what the booklet for  
Yxy(79.7353, 0.3094, 0.3288)  
contains.

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# Color

**Yxy(79.8703, 0.3093, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E8E8
RGB	227, 232, 232
RGB Percent	89%, 91%, 91%
CMY	0.1100, 0.0901, 0.0902
CMYK	0.02, 0.00, 0.00, 0.09
HSL	180°, 10%, 90%
HSV	180°, 2%, 91%
XYZ	75.0878, 79.8703, 87.8088
YIQ	230.5050, -2.9800, -1.0600

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 230, 232
Decimal	14936296
CIE Lab	91.63, -1.69, -0.60
CIE LCh	92, 1.792, 199.491
Yxy	79.8703, 0.3093, 0.3290
Android (android.graphics.Color)	4293126376 (0xFFE3E8E8)
YUV	230.5050, 0.7370, -3.0739
Hunter-Lab	89.3702, -6.4242, 4.3050

# Details

The Yxy color **79.8703, 0.3093, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.6099, 0.3162, 0.3290**, and the grayscale version is **79.5169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9559, 0.3092, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **76.3497, 0.2941, 0.3290**, and if you desaturate by 10%, it is **83.9060, 0.3251, 0.3290**.

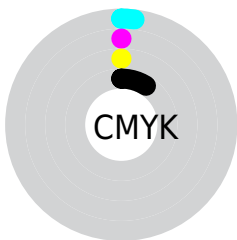
# Distribution



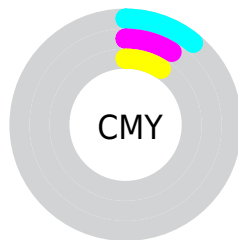
- Red (89%)
- Green (91%)
- Blue (91%)



- Red (89%)
- Yellow (90%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8703, 0.3093, 0.3290 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 79.8703, 0.3093, 0.3290 by changing the saturation by 10% instead.



■ 79.8703, 0.3093,  
0.3290

■ 79.8703, 0.3093,  
0.3290

494.4956, 0.3109,  
0.3290

■ 59.6116, 0.3089,  
0.3290

133.1834, 0.3098,  
0.3290

■ 43.1057, 0.3085,  
0.3290

167.0065, 0.3100,  
0.3290

■ 29.9680, 0.3080,  
0.3290

206.1200, 0.3102,  
0.3290

■ 19.8143, 0.3073,  
0.3290

250.9082, 0.3104,  
0.3290

■ 12.2602, 0.3063,  
0.3290

301.7554, 0.3105,  
0.3290

■ 6.9211, 0.3050,  
0.3289

359.0462, 0.3106,

■ 3.4128, 0.3030,

0.3290

423.1648, 0.3108,  
0.3290

0.3289

■ 1.3509, 0.2994,  
0.3288

■ 0.1801, 0.2371,  
0.3287

■ 79.8703, 0.3093,  
0.3290

■ 79.8703, 0.3093,  
0.3290

■ 76.3497, 0.2941,  
0.3290

■ 83.9060, 0.3251,  
0.3290

■ 73.3139, 0.2799,  
0.3290


■ 84.8184, 0.3284,  
0.3290

■ 70.7447, 0.2669,  
0.3291


■ 84.8215, 0.3284,  
0.3289

■ 68.6190, 0.2554,  
0.3291


■ 84.8246, 0.3284,  
0.3288


 66.9116, 0.2457,  
0.3292


 84.8278, 0.3283,  
0.3288

 65.5949, 0.2378,  
0.3292

 84.8309, 0.3283,  
0.3287


 64.6380, 0.2319,  
0.3293

 84.8340, 0.3283,  
0.3287

 64.0053, 0.2279,  
0.3293

 84.8372, 0.3282,  
0.3286

 63.6538, 0.2257,  
0.3294

 84.8403, 0.3282,  
0.3286

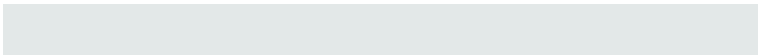
# Harmonies

## Analogous

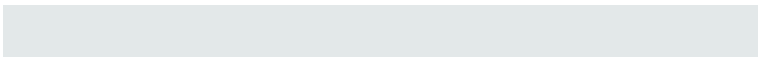
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8703, 0.3109, 0.3308



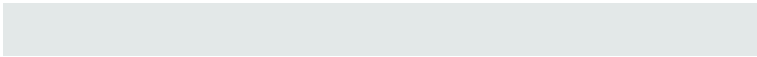
79.8703, 0.3093, 0.3290



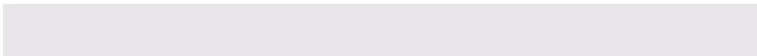
79.8703, 0.3086, 0.3272

# Triad

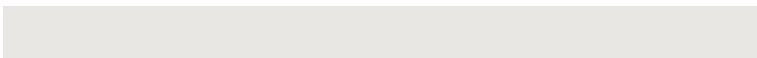
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8703, 0.3093, 0.3290



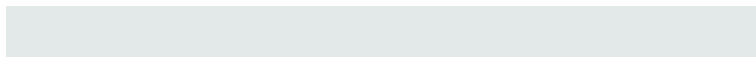
79.8703, 0.3125, 0.3259



79.8703, 0.3164, 0.3322

# Complementary

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



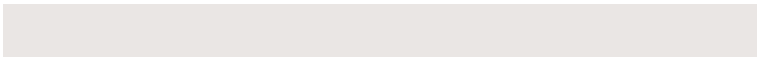
79.8703, 0.3093, 0.3290



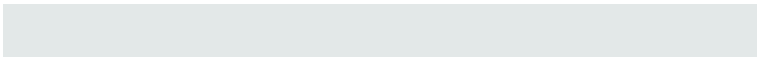
77.6099, 0.3162, 0.3290

# 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.



79.8703, 0.3168, 0.3308



79.8703, 0.3093, 0.3290



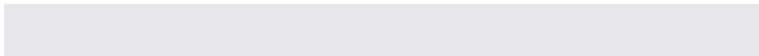
79.8703, 0.3146, 0.3272

# Square

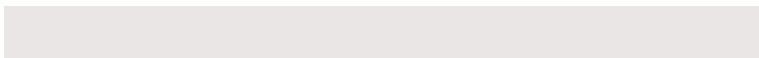
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



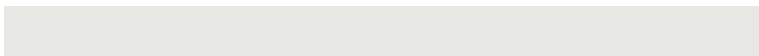
79.8703, 0.3093, 0.3290



79.8703, 0.3105, 0.3254



79.8703, 0.3162, 0.3290

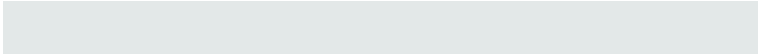


79.8703, 0.3150, 0.3327

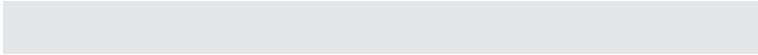


# Rectangle

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



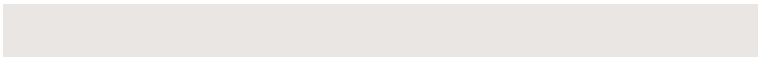
79.8703, 0.3093, 0.3290



79.8703, 0.3088, 0.3262



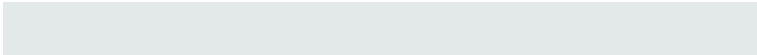
79.8703, 0.3162, 0.3290



79.8703, 0.3166, 0.3318

# Sweetspot

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



79.8737, 0.3093, 0.3290



99.5192, 0.3111, 0.3290



79.6036, 0.3125, 0.3343



21.3063, 0.3112, 0.3290



0.0000, 0.0000, 0.0000

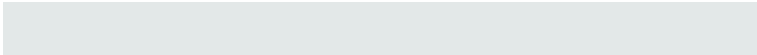


21.4041, 0.3127, 0.3290



# Same Dimension

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



79.8737, 0.3093, 0.3290



98.5767, 0.3080, 0.3290



78.5019, 0.3094, 0.3264



16.7616, 0.3068, 0.3290



35.2576, 0.2249, 0.3295



2.6056, 0.2248, 0.3293



# Inverse Universe

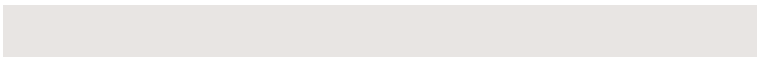
The Inverse Universe completely reimagines the original color for something new.



77.6099, 0.3162, 0.3290



94.7340, 0.3176, 0.3290



78.9612, 0.3161, 0.3316



15.9438, 0.3189, 0.3290



9.5252, 0.6398, 0.3298

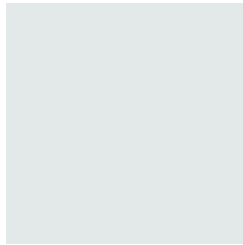


0.7041, 0.6391, 0.3294



# Previews

## White Background



This preview shows how the Yxy color 79.8703, 0.3093, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

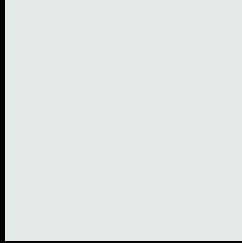
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.8703, 0.3093, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

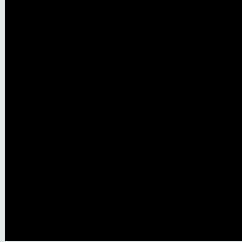
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

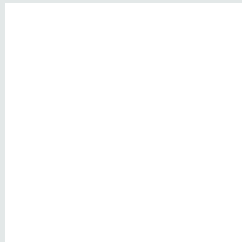
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.8703, 0.3093, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.8703, 0.3093, 0.3290.

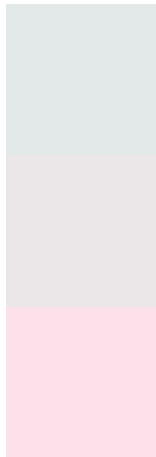


This preview shows how white text looks on a background with the Yxy color 79.8703, 0.3093, 0.3290.

# 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

79.8703, 0.3093, 0.3290

### Protanopia

80.0253, 0.3155, 0.3280

### Deuteranopia

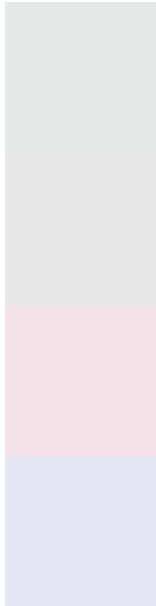
79.9473, 0.3259, 0.3191



## Tritanopia

80.0290, 0.3009, 0.3105

# Trichromacy



## Original Color

79.8703, 0.3093, 0.3290

## Protanomaly

80.0772, 0.3134, 0.3290

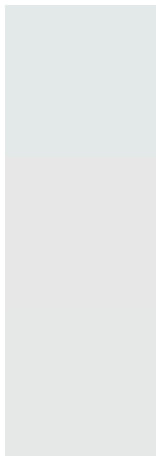
## Deuteranomaly

79.8760, 0.3199, 0.3229

## Tritanomaly

80.0566, 0.3039, 0.3176

# Monochromacy



## Original Color

79.8703, 0.3093, 0.3290

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.7443, 0.3120, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.8703, 0.3093, 0.3290 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(227, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(227, 232, 232)  
}
```

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(227, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 232, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 79.8703, 0.3093, 0.3290 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(227, 232, 232) }
```

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

```
.border{ border-color:rgb(227, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(227, 232,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.8703, 0.3093, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 232, 232) }
```

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

```
.background{ background-color: rgb(227,  
232, 232) }
```

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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