

# Converting Colors

$Y_{xy}(78.7609, 0.3239, 0.3290)$

Have a look what the booklet for  
Yxy(78.7609, 0.3239, 0.3290)  
contains.

<b>Yxy(78.7609, 0.3239, 0.3290)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(78.7609, 0.3239, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E2E2
RGB	242, 226, 226
RGB Percent	95%, 89%, 89%
CMY	0.0511, 0.1137, 0.1136
CMYK	0.00, 0.07, 0.07, 0.05
HSL	360°, 38%, 92%
HSV	360°, 7%, 95%
XYZ	77.5400, 78.7609, 83.0939
YIQ	230.7840, 9.5360, 3.3920

# Conversions

## Conversions Part 2

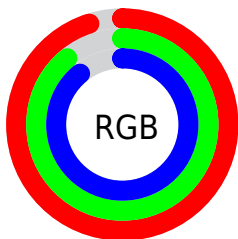
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 226, 226
Decimal	15917794
CIE Lab	91.13, 5.45, 1.93
CIE LCh	91, 5.779, 19.534
Yxy	78.7609, 0.3239, 0.3290
Android (android.graphics.Color)	4294107874 (0xFF2E2E2E)
YUV	230.7840, -2.3585, 9.8364
Hunter-Lab	88.7473, 0.6505, 6.6100

# Details

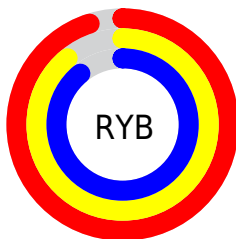
The Yxy color **78.7609, 0.3239, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.0693, 0.3025, 0.3290**, and the grayscale version is **79.7564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5052, 0.3264, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **65.2849, 0.3444, 0.3290**, and if you desaturate by 10%, it is **94.2876, 0.3076, 0.3290**.

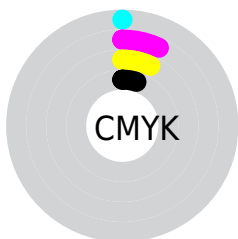
# Distribution



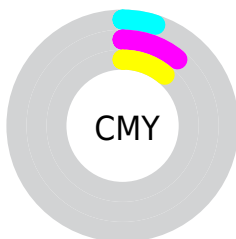
- Red (95%)
- Green (89%)
- Blue (89%)



- Red (95%)
- Yellow (89%)
- Blue (89%)



- Cyan (0%)
- Magenta (7%)
- Yellow (7%)
- Black (5%)




- Cyan (5%)
- Magenta (11%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7609, 0.3239, 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 78.7609, 0.3239, 0.3290 by changing the saturation by 10% instead.




 78.7609, 0.3239,  
0.3290

 78.7609, 0.3239,  
0.3290


490.7471, 0.3188,  
0.3290

 58.6992, 0.3251,  
0.3290


131.6222, 0.3221,  
0.3290

 42.3711, 0.3265,  
0.3290

165.1906, 0.3214,  
0.3290

 29.3920, 0.3283,  
0.3289


204.0301, 0.3209,  
0.3290

 19.3775, 0.3306,  
0.3289

248.5251, 0.3203,  
0.3290

 11.9434, 0.3338,  
0.3288

299.0598, 0.3199,  
0.3290

 6.7051, 0.3383,  
0.3287

356.0188, 0.3195,

 3.2784, 0.3452,

0.3290

419.7865, 0.3191,  
0.3290

0.3285

1.2787, 0.3574,  
0.3280

0.1247, 0.6674,  
0.3309

78.7609, 0.3239,  
0.3290

78.7609, 0.3239,  
0.3290

65.2849, 0.3444,  
0.3290

94.2876, 0.3076,  
0.3290

53.7643, 0.3700,  
0.3290

97.6134, 0.3047,  
0.3290

44.1114, 0.4019,  
0.3291

36.2278, 0.4405,  
0.3292

■ 30.0062, 0.4853,  
0.3293

■ 25.3278, 0.5336,  
0.3294

■ 22.0578, 0.5796,  
0.3296

■ 20.0383, 0.6156,  
0.3297

■ 19.0710, 0.6356,  
0.3299

# Harmonies

## Analogous

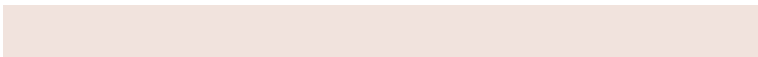
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7609, 0.3187, 0.3233



78.7609, 0.3239, 0.3290



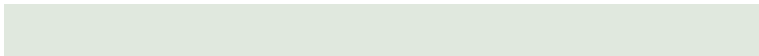
78.7609, 0.3260, 0.3348

# Triad

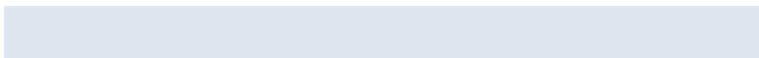
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7609, 0.3239, 0.3290



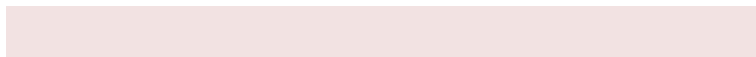
78.7609, 0.3134, 0.3393



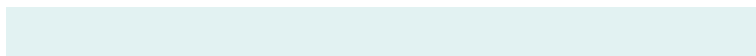
78.7609, 0.3010, 0.3188

# Complementary

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



78.7609, 0.3239, 0.3290



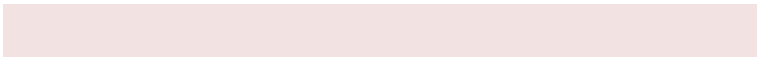
86.0693, 0.3025, 0.3290

# Split Complementary

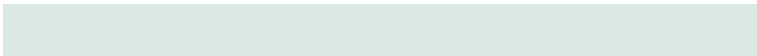
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7609, 0.2996, 0.3230



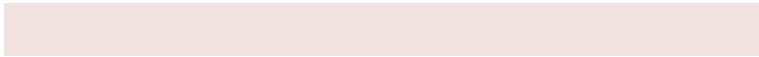
78.7609, 0.3239, 0.3290



78.7609, 0.3067, 0.3349

# Square

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



78.7609, 0.3239, 0.3290



78.7609, 0.3199, 0.3408



78.7609, 0.3017, 0.3289



78.7609, 0.3055, 0.3174

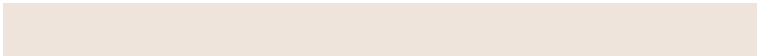


# Rectangle

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



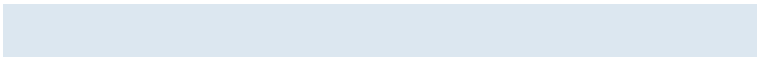
78.7609, 0.3239, 0.3290



78.7609, 0.3255, 0.3380



78.7609, 0.3017, 0.3289



78.7609, 0.3001, 0.3200

# Sweetspot

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



78.7643, 0.3239, 0.3290



96.4655, 0.3159, 0.3290



79.6337, 0.3133, 0.3129



20.6846, 0.3158, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

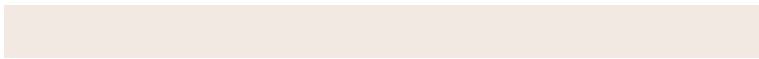
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7643, 0.3239, 0.3290



86.4251, 0.3265, 0.3290



83.0556, 0.3232, 0.3369



15.7593, 0.3293, 0.3290



10.1418, 0.6399, 0.3299

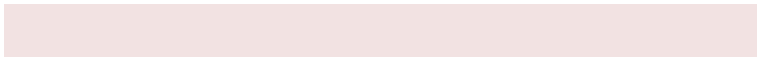


0.8439, 0.6393, 0.3296

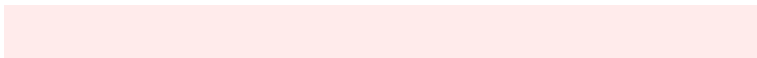


# Inverse Universe

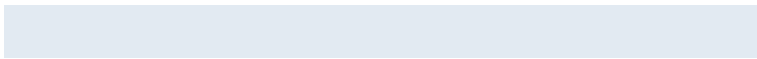
The Inverse Universe completely reimagines the original color for something new.



78.7643, 0.3239, 0.3290



86.4251, 0.3265, 0.3290



81.5735, 0.3025, 0.3210



15.7593, 0.3293, 0.3290



10.1418, 0.6399, 0.3299

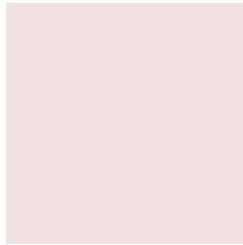


0.8439, 0.6393, 0.3296



# Previews

## White Background



This preview shows how the Yxy color 78.7609, 0.3239, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

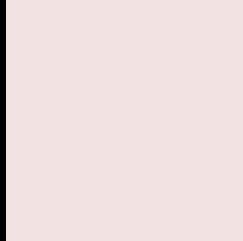
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7609, 0.3239, 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

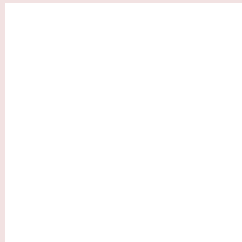
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.7609, 0.3239, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7609, 0.3239, 0.3290.

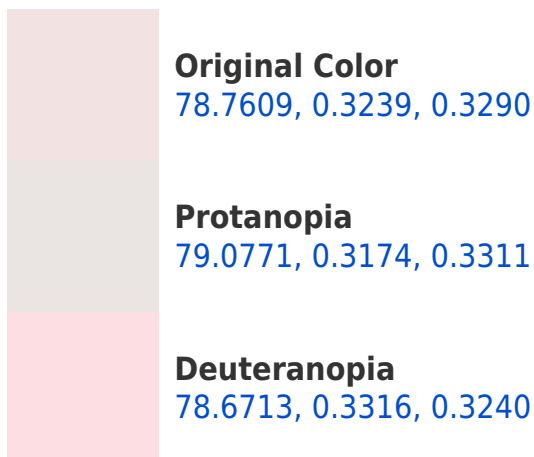


This preview shows how white text looks on a background with the Yxy color 78.7609, 0.3239, 0.3290.

# 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

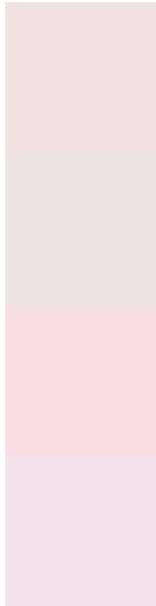




## Tritanopia

78.8953, 0.3156, 0.3119

# Trichromacy



## Original Color

78.7609, 0.3239, 0.3290

## Protanomaly

79.0374, 0.3196, 0.3301

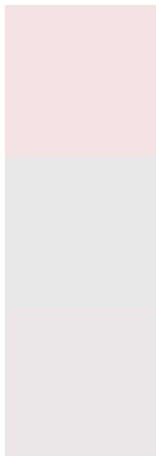
## Deuteranomaly

78.4611, 0.3286, 0.3250

## Tritanomaly

78.9612, 0.3181, 0.3179

# Monochromacy



## Original Color

78.7609, 0.3239, 0.3290

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.3579, 0.3168, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7609, 0.3239, 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(242, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(242, 226, 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(242, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 226, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7609, 0.3239, 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(242, 226, 226) }
```

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

```
.border{ border-color:rgb(242, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(242, 226,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7609, 0.3239, 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(242, 226, 226) }
```

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

```
.background{ background-color: rgb(242,  
226, 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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