

# Converting Colors

$Yxy(76.9651, 0.3224, 0.3314)$

Have a look what the booklet for  
Yxy(76.9651, 0.3224, 0.3314)  
contains.

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# Color

**Yxy(77.0110, 0.3218, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECE1DF
RGB	236, 225, 223
RGB Percent	93%, 88%, 87%
CMY	0.0743, 0.1177, 0.1255
CMYK	0.00, 0.05, 0.06, 0.07
HSL	9°, 26%, 90%
HSV	9°, 6%, 93%
XYZ	74.8479, 77.0110, 80.7325
YIQ	228.0610, 7.1980, 1.7100

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	236, 225, 223
Decimal	15524319
CIE Lab	90.33, 3.42, 2.30
CIE LCh	90, 4.123, 33.940
Yxy	77.0110, 0.3218, 0.3311
Android (android.graphics.Color)	4293714399 (0xFFECE1DF)
YUV	228.0610, -2.4951, 6.9625
Hunter-Lab	87.7559, -1.3284, 6.8843

# Details

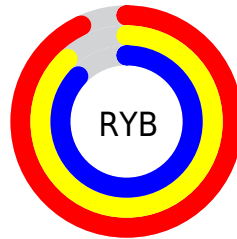
The Yxy color `77.0110, 0.3218, 0.3311` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.6261, 0.3042, 0.3269`, and the grayscale version is `77.6508, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.2799, 0.3236, 0.3317` is the 20% darker color. If you saturate the color by 10%, you get `65.6383, 0.3410, 0.3351`, and if you desaturate by 10%, it is `89.8353, 0.3061, 0.3274`.

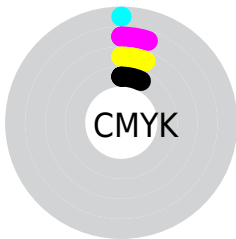
# Distribution



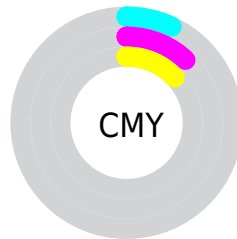
- Red (93%)
- Green (88%)
- Blue (87%)



- Red (93%)
- Yellow (88%)
- Blue (87%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (7%)




- Cyan (7%)
- Magenta (12%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0110, 0.3218, 0.3311 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 77.0110, 0.3218, 0.3311 by changing the saturation by 10% instead.




 77.0110, 0.3218,  
0.3311

 77.0110, 0.3218,  
0.3311


484.8015, 0.3176,  
0.3302

 57.2619, 0.3227,  
0.3313


129.1550, 0.3204,  
0.3308

 41.2156, 0.3239,  
0.3316


162.3187, 0.3198,  
0.3307

 28.4876, 0.3254,  
0.3319


200.7227, 0.3193,  
0.3305

 18.6935, 0.3273,  
0.3323

244.7515, 0.3189,  
0.3304

 11.4490, 0.3299,  
0.3328

294.7893, 0.3185,  
0.3304

 6.3697, 0.3337,  
0.3336

351.2207, 0.3182,

 3.0712, 0.3395,

0.3303

414.4300, 0.3179,  
0.3302

0.3348

1.1690, 0.3498,  
0.3366

0.0362, 0.7652,  
0.2348

77.0110, 0.3218,  
0.3311

77.0110, 0.3218,  
0.3311

65.6383, 0.3410,  
0.3351

89.8353, 0.3061,  
0.3274

55.6562, 0.3645,  
0.3394

96.5809, 0.3012,  
0.3290

47.0143, 0.3929,  
0.3437

39.6552, 0.4267,  
0.3478

■ 33.5174, 0.4659,  
0.3510

■ 28.5342, 0.5088,  
0.3528

■ 24.6327, 0.5521,  
0.3522

■ 21.7311, 0.5905,  
0.3488

■ 19.7358, 0.6184,  
0.3428

# Harmonies

## Analogous

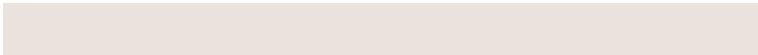
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0110, 0.3190, 0.3268



77.0110, 0.3218, 0.3311



77.0110, 0.3221, 0.3349

# Triad

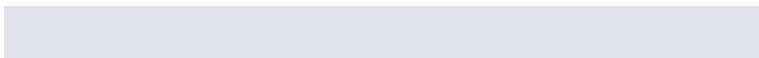
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0110, 0.3218, 0.3311



77.0110, 0.3108, 0.3351



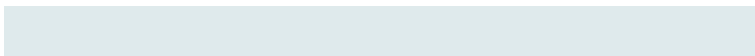
77.0110, 0.3056, 0.3209

# Complementary

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



77.0110, 0.3218, 0.3311



80.6261, 0.3042, 0.3269

# 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.



77.0110, 0.3034, 0.3231



77.0110, 0.3218, 0.3311



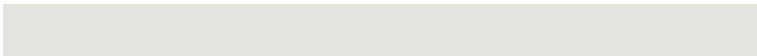
77.0110, 0.3064, 0.3312

# Square

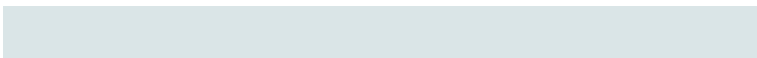
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0110, 0.3218, 0.3311



77.0110, 0.3157, 0.3372



77.0110, 0.3037, 0.3268



77.0110, 0.3097, 0.3209



# Rectangle

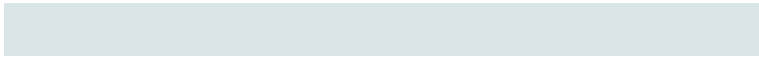
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



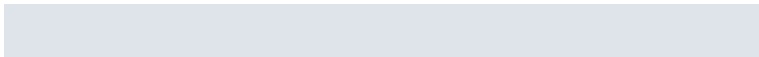
77.0110, 0.3218, 0.3311



77.0110, 0.3209, 0.3366



77.0110, 0.3037, 0.3268



77.0110, 0.3046, 0.3214

# Sweetspot

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



77.0144, 0.3218, 0.3311



96.9489, 0.3159, 0.3298



76.5633, 0.3146, 0.3175



20.7830, 0.3157, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

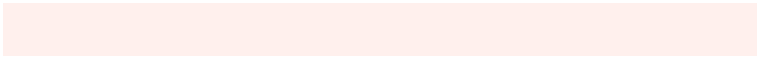


# Same Dimension

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



77.0144, 0.3218, 0.3311



89.6275, 0.3244, 0.3317



80.5904, 0.3213, 0.3378



15.8950, 0.3254, 0.3319



10.6415, 0.6253, 0.3417



0.9491, 0.6020, 0.3602

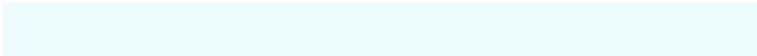


# Inverse Universe

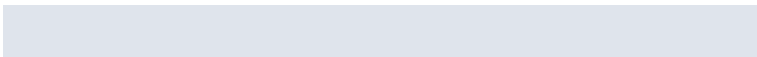
The Inverse Universe completely reimagines the original color for something new.



80.6261, 0.3042, 0.3269



95.0465, 0.3018, 0.3263



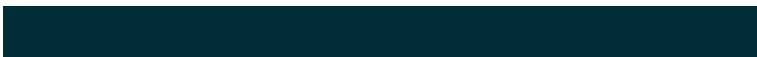
76.9967, 0.3043, 0.3200



16.9350, 0.3010, 0.3261



26.2684, 0.2111, 0.2799

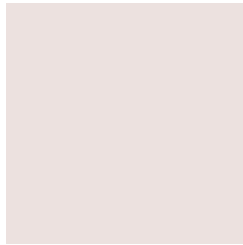


2.1685, 0.2132, 0.2874



# Previews

## White Background



This preview shows how the Yxy color 77.0110, 0.3218, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

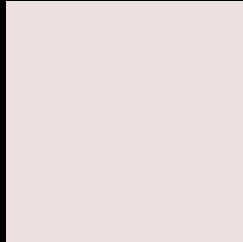
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.0110, 0.3218, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

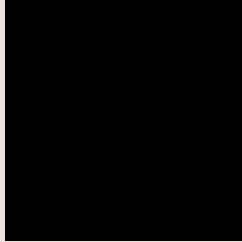
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

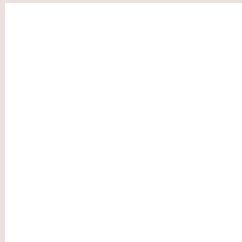
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.0110, 0.3218, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.0110, 0.3218, 0.3311.

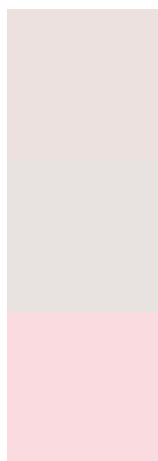


This preview shows how white text looks on a background with the Yxy color 77.0110, 0.3218, 0.3311.

# 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

77.0110, 0.3218, 0.3311

### Protanopia

76.9303, 0.3182, 0.3311

### Deuteranopia

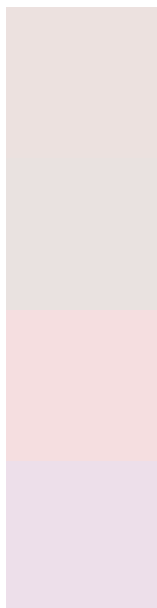
76.8922, 0.3317, 0.3250



## Tritanopia

76.7110, 0.3122, 0.3106

# Trichromacy



## Original Color

77.0110, 0.3218, 0.3311

## Protanomaly

77.0982, 0.3189, 0.3311

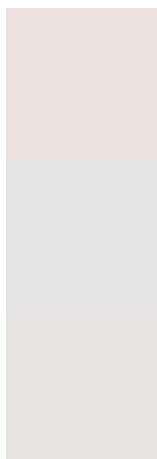
## Deuteranomaly

77.0368, 0.3278, 0.3270

## Tritanomaly

76.7204, 0.3154, 0.3177

# Monochromacy



## Original Color

77.0110, 0.3218, 0.3311

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.4181, 0.3161, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.0110, 0.3218, 0.3311 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(236, 225, 223)` looks like.

```
.text, #text, p{  
    color:rgb(236, 225, 223)  
}
```

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(236, 225, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 225, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 77.0110, 0.3218, 0.3311 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(236, 225, 223) }
```

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

```
.border{ border-color:rgb(236, 225, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 225, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 225, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 225, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 225,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.0110, 0.3218, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 225, 223) }
```

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

```
.background{ background-color: rgb(236,  
225, 223) }
```

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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