

# Converting Colors

$Yxy(76.7820, 0.3133, 0.3164)$

Have a look what the booklet for  
Yxy(76.7820, 0.3133, 0.3164)  
contains.

<b>Yxy(76.6643, 0.3133, 0.3156)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(76.6643, 0.3133, 0.3156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECD FEC
RGB	236, 223, 236
RGB Percent	93%, 87%, 93%
CMY	0.0747, 0.1254, 0.0745
CMYK	0.00, 0.06, 0.00, 0.07
HSL	300°, 25%, 90%
HSV	300°, 6%, 93%
XYZ	76.1056, 76.6643, 90.1461
YIQ	228.3690, 3.5750, 6.7990

# Conversions

## Conversions Part 2

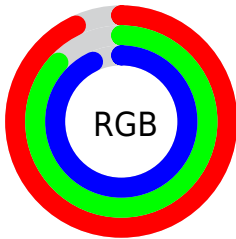
Format	Color
R <sub>Y</sub> B	236, 223, 236
Decimal	15523820
CIE Lab	90.17, 6.68, -4.75
CIE LCh	90, 8.199, 324.577
Yxy	76.6643, 0.3133, 0.3156
Android (android.graphics.Color)	4293713900 (0xFFE0DFEC)
YUV	228.3690, 3.7621, 6.6924
Hunter-Lab	87.5582, 1.9255, 0.2483

# Details

The Yxy color **76.6643, 0.3133, 0.3156** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.0249, 0.3121, 0.3428**, and the grayscale version is **77.8343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0038, 0.3135, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **64.9015, 0.3144, 0.2907**, and if you desaturate by 10%, it is **90.1915, 0.3122, 0.3397**.

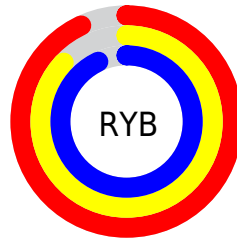
# Distribution



Red (93%)

Green (87%)

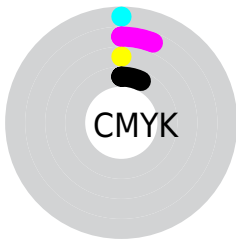
Blue (93%)



Red (93%)

Yellow (87%)

Blue (93%)

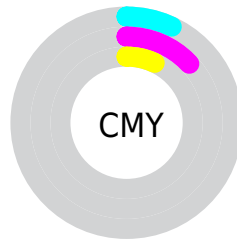


Cyan (0%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (13%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6643, 0.3133, 0.3156 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 76.6643, 0.3133, 0.3156 by changing the saturation by 10% instead.




 76.6643, 0.3133,  
0.3156

 76.6643, 0.3133,  
0.3156


483.6187, 0.3131,  
0.3217

 56.9774, 0.3133,  
0.3142


128.6655, 0.3132,  
0.3177

 40.9871, 0.3134,  
0.3126


161.7486, 0.3132,  
0.3185

 28.3090, 0.3135,  
0.3105


200.0658, 0.3132,  
0.3192

 18.5587, 0.3135,  
0.3077

244.0017, 0.3131,  
0.3198

 11.3519, 0.3136,  
0.3041

293.9405, 0.3131,  
0.3204

 6.3040, 0.3137,  
0.2989

350.2667, 0.3131,

 3.0308, 0.3138,

0.3209

0.2911

413.3646, 0.3131,  
0.3213

■ 1.1478, 0.3138,  
0.2778

■ 0.0185, 0.3276,  
0.0335

■ 76.6643, 0.3133,  
0.3156

■ 76.6643, 0.3133,  
0.3156

■ 64.9015, 0.3144,  
0.2907

■ 90.1915, 0.3122,  
0.3397

■ 54.8209, 0.3155,  
0.2655

■ 95.4390, 0.3119,  
0.3480

■ 46.3485, 0.3165,  
0.2410

■ 95.4590, 0.3120,  
0.3480

■ 39.4010, 0.3174,  
0.2180

■ 95.4789, 0.3121,  
0.3480

33.8875, 0.3182,  
0.1976

95.4989, 0.3121,  
0.3480

29.7078, 0.3189,  
0.1806

95.5188, 0.3122,  
0.3480

26.7484, 0.3194,  
0.1677

95.5388, 0.3123,  
0.3480

24.8772, 0.3196,  
0.1591

95.5588, 0.3124,  
0.3480

23.9314, 0.3197,  
0.1546

95.5788, 0.3124,  
0.3480

# Harmonies

## Analogous

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



76.6643, 0.3038, 0.3126



76.6643, 0.3133, 0.3156



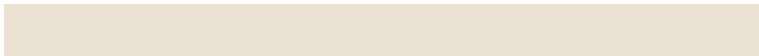
76.6643, 0.3228, 0.3221

# Triad

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



76.6643, 0.3133, 0.3156



76.6643, 0.3289, 0.3442



76.6643, 0.2961, 0.3273

# Complementary

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



76.6643, 0.3133, 0.3156



81.0249, 0.3121, 0.3428

# 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.



76.6643, 0.3026, 0.3361



76.6643, 0.3133, 0.3156



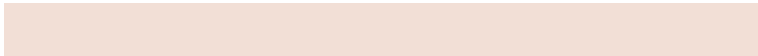
76.6643, 0.3215, 0.3460

# Square

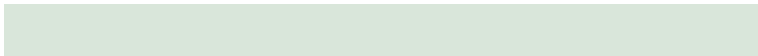
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6643, 0.3133, 0.3156



76.6643, 0.3319, 0.3385



76.6643, 0.3119, 0.3430



76.6643, 0.2940, 0.3191



# Rectangle

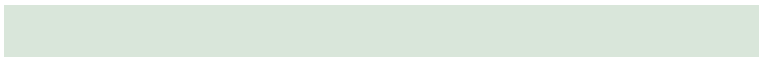
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6643, 0.3133, 0.3156



76.6643, 0.3278, 0.3275



76.6643, 0.3119, 0.3430



76.6643, 0.2979, 0.3303

# Sweetspot

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



76.6676, 0.3133, 0.3156



96.7843, 0.3129, 0.3241



74.6524, 0.3044, 0.3154



20.7495, 0.3129, 0.3244



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.



76.6676, 0.3133, 0.3156



89.1186, 0.3135, 0.3118



76.3202, 0.3175, 0.3220



15.7983, 0.3135, 0.3105



13.0605, 0.3197, 0.1535



1.0268, 0.3199, 0.1536

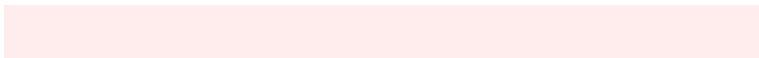


# Inverse Universe

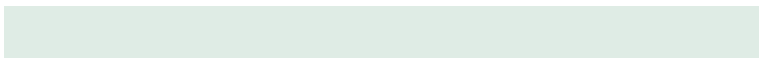
The Inverse Universe completely reimagines the original color for something new.



75.9546, 0.3219, 0.3290



88.0436, 0.3246, 0.3290



81.3595, 0.3082, 0.3361



15.5920, 0.3256, 0.3289



9.8318, 0.6395, 0.3297

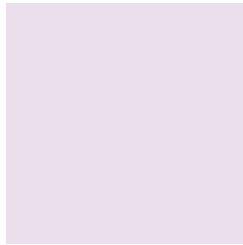


0.7725, 0.6381, 0.3289



# Previews

## White Background



This preview shows how the Yxy color 76.6643, 0.3133, 0.3156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

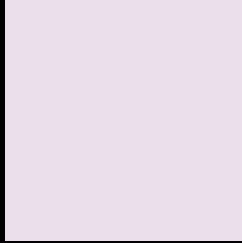
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.6643, 0.3133, 0.3156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

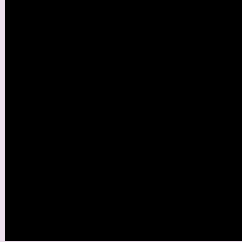
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

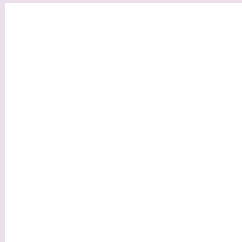
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.6643, 0.3133, 0.3156**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.6643, 0.3133, 0.3156.

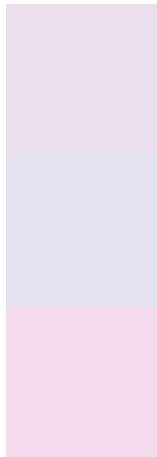


This preview shows how white text looks on a background with the Yxy color 76.6643, 0.3133, 0.3156.

# 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

76.6643, 0.3133, 0.3156

### Protanopia

77.0597, 0.3064, 0.3164

### Deuteranopia

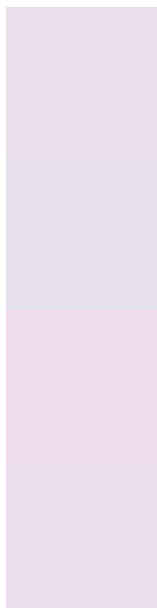
76.5339, 0.3185, 0.3118



## Tritanopia

76.5383, 0.3115, 0.3105

# Trichromacy



## Original Color

76.6643, 0.3133, 0.3156

## Protanomaly

76.9538, 0.3092, 0.3165

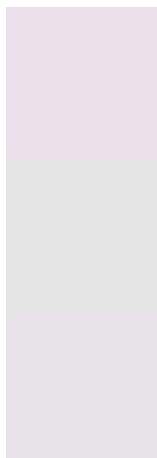
## Deuteranomaly

76.5281, 0.3163, 0.3127

## Tritanomaly

76.4791, 0.3121, 0.3115

# Monochromacy



## Original Color

76.6643, 0.3133, 0.3156

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.1512, 0.3130, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.6643, 0.3133, 0.3156 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, 223, 236)` looks like.

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

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, 223, 236) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 76.6643, 0.3133, 0.3156 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, 223, 236) }
```

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

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

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

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

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



# Background

The CSS property to change the background color of an element to Yxy 76.6643, 0.3133, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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