

Converting Colors

$Yxy(76.7003, 0.3148, 0.3196)$

Have a look what the booklet for
Yxy(76.7003, 0.3148, 0.3196)
contains.

Yxy(76.8567, 0.3146, 0.3197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.8567, 0.3146, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	EBE0E9
RGB	235, 224, 233
RGB Percent	92%, 88%, 91%
CMY	0.0783, 0.1216, 0.0864
CMYK	0.00, 0.05, 0.01, 0.08
HSL	311°, 22%, 90%
HSV	311°, 5%, 92%
XYZ	75.6306, 76.8567, 87.9152
YIQ	228.3150, 3.6670, 5.1310

Conversions

Conversions Part 2

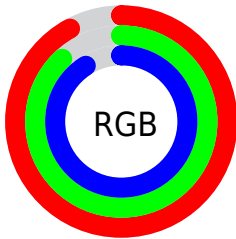
Format	Color
R _Y B	235, 224, 233
Decimal	15458537
CIE Lab	90.26, 5.33, -3.04
CIE LCh	90, 6.135, 330.330
Yxy	76.8567, 0.3146, 0.3197
Android (android.graphics.Color)	4293648617 (0xFFEBE0E9)
YUV	228.3150, 2.3097, 5.8627
Hunter-Lab	87.6680, 0.5720, 1.9103

Details

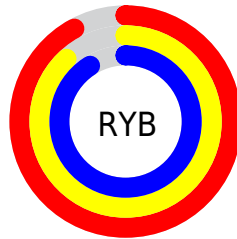
The Yxy color **76.8567, 0.3146, 0.3197** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.7818, 0.3109, 0.3385**, and the grayscale version is **77.8108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1340, 0.3150, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **64.8387, 0.3191, 0.2993**, and if you desaturate by 10%, it is **90.6339, 0.3107, 0.3392**.

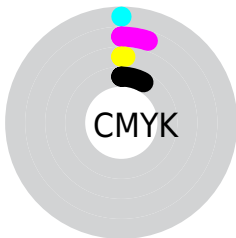
Distribution



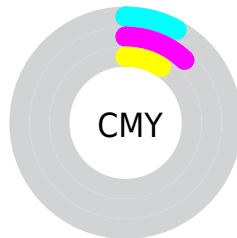
- Red (92%)
- Green (88%)
- Blue (91%)



- Red (92%)
- Yellow (88%)
- Blue (91%)



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (8%)



- Cyan (8%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8567, 0.3146, 0.3197 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 76.8567, 0.3146, 0.3197 by changing the saturation by 10% instead.

76.8567, 0.3146,
0.3197

76.8567, 0.3146,
0.3197

484.2753, 0.3138,
0.3239

57.1353, 0.3148,
0.3187

128.9372, 0.3143,
0.3212

41.1139, 0.3150,
0.3176

162.0650, 0.3142,
0.3217

28.4081, 0.3153,
0.3161

200.4304, 0.3141,
0.3222

18.6335, 0.3157,
0.3142

244.4179, 0.3140,
0.3227

11.4057, 0.3162,
0.3116

294.4117, 0.3139,
0.3230

6.3404, 0.3169,
0.3080

350.7962, 0.3139,

3.0532, 0.3179,

0.3234

0.3024

413.9560, 0.3138,
0.3237

■ 1.1596, 0.3196,
0.2929

■ 0.0283, 0.3665,
0.0660

■ 76.8567, 0.3146,
0.3197

■ 76.8567, 0.3146,
0.3197

■ 64.8387, 0.3191,
0.2993

■ 90.6339, 0.3107,
0.3392

■ 54.4988, 0.3242,
0.2784

■ 95.5873, 0.3079,
0.3422

■ 45.7640, 0.3300,
0.2576

■ 95.8552, 0.3055,
0.3377

■ 38.5524, 0.3364,
0.2377

■ 96.1295, 0.3030,
0.3333

■ 32.7748, 0.3433,
0.2197

■ 96.4092, 0.3006,
0.3290

■ 28.3325, 0.3506,
0.2045

■ 25.1145, 0.3580,
0.1932

■ 22.9918, 0.3653,
0.1864

■ 21.8063, 0.3723,
0.1842

Harmonies

Analogous

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



76.8567, 0.3073, 0.3169



76.8567, 0.3146, 0.3197



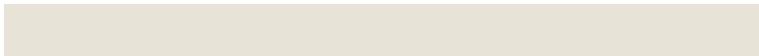
76.8567, 0.3214, 0.3250

Triad

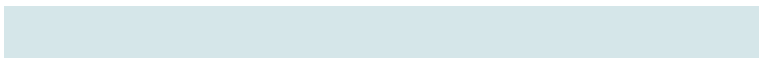
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8567, 0.3146, 0.3197



76.8567, 0.3240, 0.3409



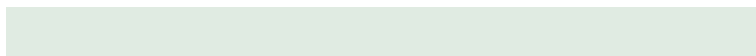
76.8567, 0.2997, 0.3265

Complementary

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



76.8567, 0.3146, 0.3197



80.7818, 0.3109, 0.3385

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.



76.8567, 0.3040, 0.3331



76.8567, 0.3146, 0.3197



76.8567, 0.3180, 0.3415

Square

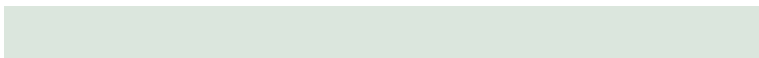
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8567, 0.3146, 0.3197



76.8567, 0.3269, 0.3372



76.8567, 0.3107, 0.3386



76.8567, 0.2988, 0.3207

Rectangle

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



76.8567, 0.3146, 0.3197



76.8567, 0.3248, 0.3292



76.8567, 0.3107, 0.3386



76.8567, 0.3008, 0.3287

Sweetspot

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



76.8600, 0.3146, 0.3197



98.3530, 0.3131, 0.3270



75.4821, 0.3070, 0.3173



21.0689, 0.3131, 0.3271



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.



76.8600, 0.3146, 0.3197



90.4402, 0.3152, 0.3170



76.5520, 0.3182, 0.3254



16.0144, 0.3154, 0.3158



11.9390, 0.3748, 0.1838



0.9500, 0.3660, 0.1790

Inverse Universe

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



76.8600, 0.3146, 0.3197



90.4402, 0.3152, 0.3170



81.0873, 0.3075, 0.3327



16.0144, 0.3154, 0.3158



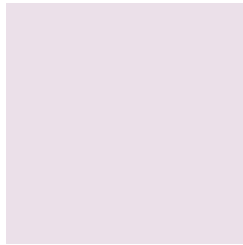
11.9390, 0.3748, 0.1838



0.9500, 0.3660, 0.1790

Previews

White Background



This preview shows how the Yxy color 76.8567, 0.3146, 0.3197 looks on a white background.

Color Contrast Check

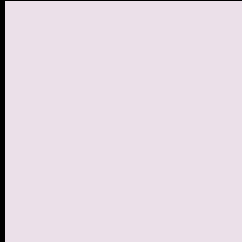
Large Text (above 18pt) WCAG AA × Fail

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 76.8567, 0.3146, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

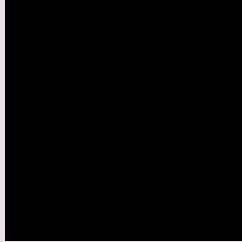
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

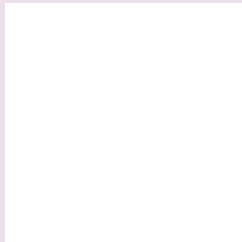
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8567, 0.3146, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 76.8567, 0.3146, 0.3197.

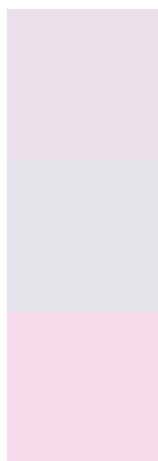


This preview shows how white text looks on a background with the Yxy color 76.8567, 0.3146, 0.3197.

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

76.8567, 0.3146, 0.3197

Protanopia

76.9912, 0.3097, 0.3206

Deuteranopia

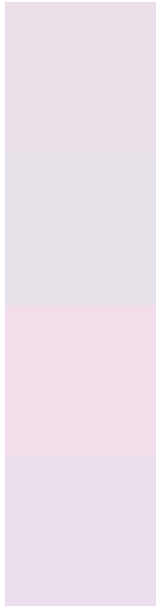
76.7197, 0.3219, 0.3148



Tritanopia

76.8995, 0.3108, 0.3115

Trichromacy



Original Color

76.8567, 0.3146, 0.3197

Protanomaly

76.7799, 0.3111, 0.3196

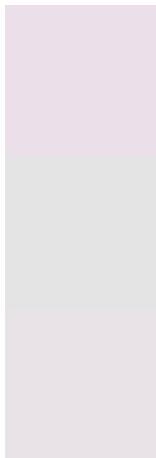
Deuteranomaly

76.5307, 0.3190, 0.3157

Tritanomaly

76.7226, 0.3127, 0.3146

Monochromacy



Original Color

76.8567, 0.3146, 0.3197

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6403, 0.3136, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8567, 0.3146, 0.3197 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(235, 224, 233)` looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 233)  
}
```

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(235, 224, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 233) }
```

Border

The CSS property to change the border of an element to Yxy 76.8567, 0.3146, 0.3197 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(235, 224, 233) }
```

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

```
.border{ border-color:rgb(235, 224, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 224, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 233);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8567, 0.3146, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 233) }
```

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

```
.background{ background-color: rgb(235,  
224, 233) }
```

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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