

Converting Colors

$Y_{xy}(77.1075, 0.3185, 0.3211)$

Have a look what the booklet for
Yxy(77.1075, 0.3185, 0.3211)
contains.

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Color

Yxy(76.8956, 0.3187, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	EFD FE7
RGB	239, 223, 231
RGB Percent	94%, 87%, 91%
CMY	0.0630, 0.1254, 0.0941
CMYK	0.00, 0.07, 0.03, 0.06
HSL	330°, 33%, 91%
HSV	330°, 7%, 94%
XYZ	76.3922, 76.8956, 86.4117
YIQ	228.6960, 6.9680, 5.8800

Conversions

Conversions Part 2

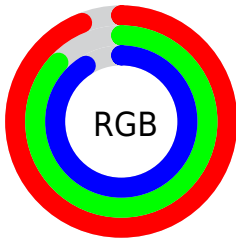
Format	Color
R _Y B	239, 223, 231
Decimal	15720423
CIE Lab	90.27, 6.80, -1.94
CIE LCh	90, 7.074, 344.098
Yxy	76.8956, 0.3187, 0.3208
Android (android.graphics.Color)	4293910503 (0xFFEFD7E7)
YUV	228.6960, 1.1359, 9.0366
Hunter-Lab	87.6901, 2.0445, 2.9575

Details

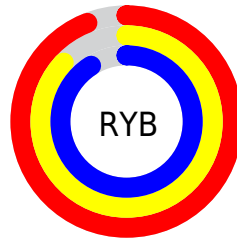
The Yxy color **76.8956, 0.3187, 0.3208** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83.1589, 0.3071, 0.3373**, and the grayscale version is **78.1042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1677, 0.3205, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **64.3658, 0.3292, 0.3079**, and if you desaturate by 10%, it is **91.2798, 0.3100, 0.3330**.

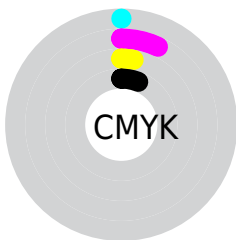
Distribution



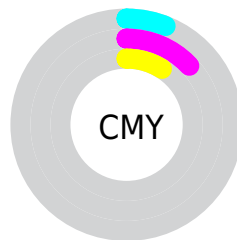
- Red (94%)
- Green (87%)
- Blue (91%)



- Red (94%)
- Yellow (87%)
- Blue (91%)



- Cyan (0%)
- Magenta (7%)
- Yellow (3%)
- Black (6%)




- Cyan (6%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8956, 0.3187, 0.3208 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 76.8956, 0.3187, 0.3208 by changing the saturation by 10% instead.


 76.8956, 0.3187,
0.3208

 76.8956, 0.3187,
0.3208


484.4080, 0.3160,
0.3245

 57.1672, 0.3193,
0.3200


128.9921, 0.3178,
0.3221

 41.1395, 0.3201,
0.3189


162.1290, 0.3174,
0.3226

 28.4281, 0.3210,
0.3176


200.5041, 0.3171,
0.3230

 18.6486, 0.3223,
0.3159

244.5020, 0.3168,
0.3234

 11.4167, 0.3239,
0.3137

294.5069, 0.3166,
0.3237

 6.3478, 0.3263,
0.3104

350.9033, 0.3163,

 3.0577, 0.3300,

0.3240

0.3055

414.0755, 0.3161,
0.3243

■ 1.1619, 0.3363,
0.2970

■ 0.0303, 0.4950,
0.0769

■ 76.8956, 0.3187,
0.3208

■ 76.8956, 0.3187,
0.3208

■ 64.3658, 0.3292,
0.3079

■ 91.2798, 0.3100,
0.3330

■ 53.6044, 0.3419,
0.2945

■ 97.0714, 0.3030,
0.3291

■ 44.5336, 0.3570,
0.2810

■ 97.0806, 0.3029,
0.3290

■ 37.0656, 0.3747,
0.2681

■ 31.1049, 0.3951,
0.2568

■ 26.5456, 0.4178,
0.2481

■ 23.2677, 0.4422,
0.2434

■ 21.1312, 0.4672,
0.2437

■ 19.9591, 0.4912,
0.2496

Harmonies

Analogous

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



76.8956, 0.3103, 0.3161



76.8956, 0.3187, 0.3208



76.8956, 0.3256, 0.3276

Triad

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



76.8956, 0.3187, 0.3208



76.8956, 0.3229, 0.3435



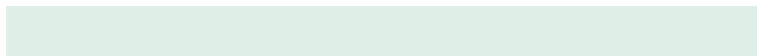
76.8956, 0.2967, 0.3228

Complementary

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



76.8956, 0.3187, 0.3208



83.1589, 0.3071, 0.3373

Split Complementary

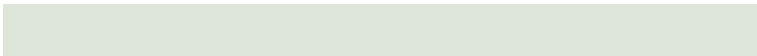
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8956, 0.3000, 0.3302



76.8956, 0.3187, 0.3208



76.8956, 0.3150, 0.3424

Square

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



76.8956, 0.3187, 0.3208



76.8956, 0.3280, 0.3408



76.8956, 0.3067, 0.3375



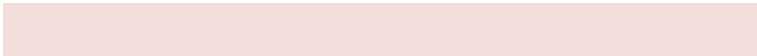
76.8956, 0.2976, 0.3171

Rectangle

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



76.8956, 0.3187, 0.3208



76.8956, 0.3284, 0.3326



76.8956, 0.3067, 0.3375



76.8956, 0.2973, 0.3251

Sweetspot

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



76.8989, 0.3187, 0.3208



96.6261, 0.3144, 0.3266



75.9599, 0.3078, 0.3124



20.7173, 0.3144, 0.3267



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.



76.8989, 0.3187, 0.3208



87.0290, 0.3200, 0.3191



76.4732, 0.3238, 0.3288



15.8909, 0.3215, 0.3172



10.9123, 0.4956, 0.2504



0.9279, 0.4664, 0.2343

Inverse Universe

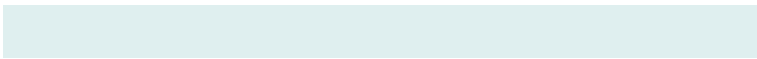
The Inverse Universe completely reimagines the original color for something new.



76.8989, 0.3187, 0.3208



87.0290, 0.3200, 0.3191



83.6038, 0.3025, 0.3292



15.8909, 0.3215, 0.3172



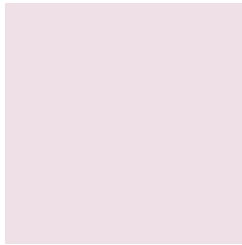
10.9123, 0.4956, 0.2504



0.9279, 0.4664, 0.2343

Previews

White Background



This preview shows how the Yxy color 76.8956, 0.3187, 0.3208 looks on a white background.

Color Contrast Check

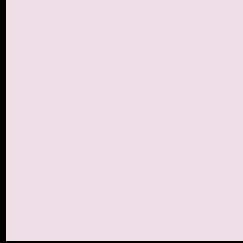
Large Text (above 18pt) WCAG AA × Fail

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 76.8956, 0.3187, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

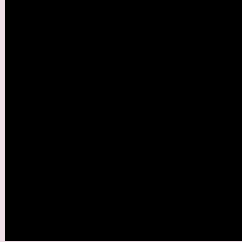
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

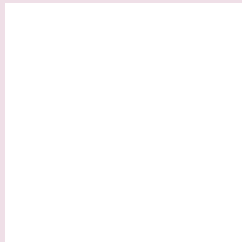
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8956, 0.3187, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 76.8956, 0.3187, 0.3208.

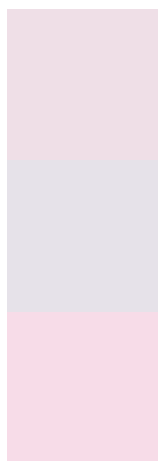


This preview shows how white text looks on a background with the Yxy color 76.8956, 0.3187, 0.3208.

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

76.8956, 0.3187, 0.3208

Protanopia

77.0989, 0.3110, 0.3217

Deuteranopia

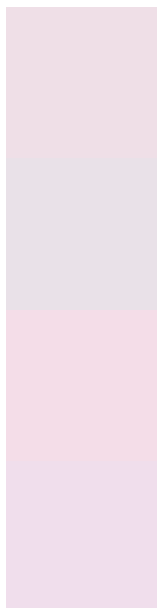
76.7868, 0.3240, 0.3169



Tritanopia

76.9998, 0.3142, 0.3117

Trichromacy



Original Color

76.8956, 0.3187, 0.3208

Protanomaly

77.0003, 0.3138, 0.3217

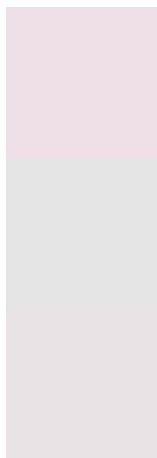
Deuteranomaly

76.7722, 0.3218, 0.3178

Tritanomaly

76.8239, 0.3162, 0.3147

Monochromacy



Original Color

76.8956, 0.3187, 0.3208

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.9750, 0.3149, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8956, 0.3187, 0.3208 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(239, 223, 231)` looks like.

```
.text, #text, p{  
    color:rgb(239, 223, 231)  
}
```

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(239, 223, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 223, 231) }
```

Border

The CSS property to change the border of an element to Yxy 76.8956, 0.3187, 0.3208 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(239, 223, 231) }
```

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

```
.border{ border-color:rgb(239, 223, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 223, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 223, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 223, 231);  
box-shadow:4px 4px 4px 4px rgb(239, 223,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8956, 0.3187, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 223, 231) }
```

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

```
.background{ background-color: rgb(239,  
223, 231) }
```

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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