

Converting Colors

$Y_{xy}(75.7252, 0.3109, 0.3133)$

Have a look what the booklet for
Yxy(75.7252, 0.3109, 0.3133)
contains.

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Color

Yxy(75.6806, 0.3106, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	E9DEED
RGB	233, 222, 237
RGB Percent	91%, 87%, 93%
CMY	0.0864, 0.1293, 0.0705
CMYK	0.02, 0.06, 0.00, 0.07
HSL	284°, 29%, 90%
HSV	284°, 6%, 93%
XYZ	75.0044, 75.6806, 90.7974
YIQ	226.9990, 1.7410, 6.9970

Conversions

Conversions Part 2

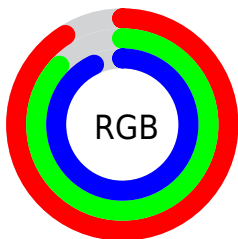
Format	Color
R _Y B	233, 222, 237
Decimal	15326957
CIE Lab	89.71, 6.40, -5.99
CIE LCh	90, 8.763, 316.883
Yxy	75.6806, 0.3106, 0.3134
Android (android.graphics.Color)	4293517037 (0xFFE9DEED)
YUV	226.9990, 4.9305, 5.2629
Hunter-Lab	86.9946, 1.6574, -0.9855

Details

The Yxy color $75.6806, 0.3106, 0.3134$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82.0436, 0.3147, 0.3448$, and the grayscale version is $76.7771, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $40.3207, 0.3100, 0.3102$ is the 20% darker color. If you saturate the color by 10%, you get $62.9021, 0.3067, 0.2876$, and if you desaturate by 10%, it is $90.2750, 0.3138, 0.3377$.

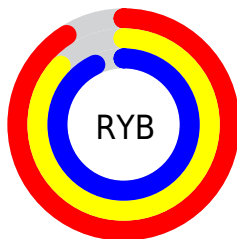
Distribution



Red (91%)

Green (87%)

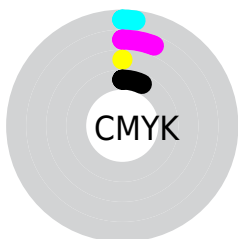
Blue (93%)



Red (91%)

Yellow (87%)

Blue (93%)

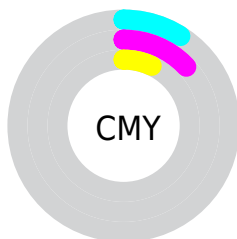


Cyan (2%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (9%)


Magenta (13%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6806, 0.3106, 0.3134 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 75.6806, 0.3106, 0.3134 by changing the saturation by 10% instead.


 75.6806, 0.3106,
0.3134

 75.6806, 0.3106,
0.3134


480.2536, 0.3116,
0.3205

 56.1706, 0.3104,
0.3118


127.2753, 0.3110,
0.3158

 40.3398, 0.3101,
0.3099

160.1289, 0.3111,
0.3168

 27.8035, 0.3097,
0.3074


198.1991, 0.3112,
0.3176

 18.1776, 0.3092,
0.3042

241.8703, 0.3113,
0.3183

 11.0776, 0.3085,
0.2999

291.5270, 0.3114,
0.3190

 6.1190, 0.3074,
0.2939

347.5535, 0.3115,

 2.9176, 0.3058,

0.3195

0.2847

410.3343, 0.3115,
0.3200

■ 1.0889, 0.3026,
0.2690

■ 0.0000, 0.2467,
0.0000

■ 75.6806, 0.3106,
0.3134

■ 75.6806, 0.3106,
0.3134

■ 62.9021, 0.3067,
0.2876

■ 90.2750, 0.3138,
0.3377

■ 51.8560, 0.3021,
0.2607

■ 97.1956, 0.3174,
0.3466

■ 42.4665, 0.2967,
0.2334

■ 98.3771, 0.3214,
0.3464

■ 34.6483, 0.2906,
0.2067

■ 98.8962, 0.3232,
0.3463

■ 28.3087, 0.2839,
0.1817

■ 23.3447, 0.2767,
0.1595

■ 19.6400, 0.2693,
0.1413

■ 17.0586, 0.2619,
0.1276

■ 15.4307, 0.2547,
0.1188

Harmonies

Analogous

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



75.6806, 0.3008, 0.3113



75.6806, 0.3106, 0.3134



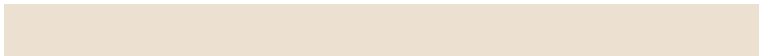
75.6806, 0.3211, 0.3195

Triad

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



75.6806, 0.3106, 0.3134



75.6806, 0.3314, 0.3441



75.6806, 0.2963, 0.3296

Complementary

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



75.6806, 0.3106, 0.3134



82.0436, 0.3147, 0.3448

Split Complementary

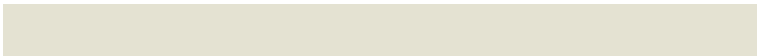
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6806, 0.3043, 0.3388



75.6806, 0.3106, 0.3134



75.6806, 0.3245, 0.3472

Square

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



75.6806, 0.3106, 0.3134



75.6806, 0.3332, 0.3371



75.6806, 0.3146, 0.3453



75.6806, 0.2927, 0.3204

Rectangle

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



75.6806, 0.3106, 0.3134



75.6806, 0.3270, 0.3251



75.6806, 0.3146, 0.3453



75.6806, 0.2985, 0.3328

Sweetspot

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



75.6838, 0.3106, 0.3134



96.5277, 0.3121, 0.3241



76.1880, 0.3030, 0.3176



20.6973, 0.3121, 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.



75.6838, 0.3106, 0.3134



86.6336, 0.3100, 0.3091



76.1885, 0.3156, 0.3169



15.0965, 0.3095, 0.3055



8.2396, 0.2533, 0.1169



0.6940, 0.2630, 0.1222

Inverse Universe

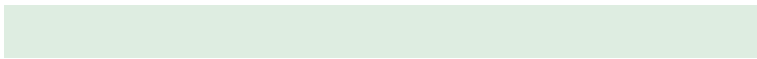
The Inverse Universe completely reimagines the original color for something new.



75.7566, 0.3207, 0.3248



86.7470, 0.3230, 0.3236



81.5689, 0.3100, 0.3415



15.1212, 0.3250, 0.3226



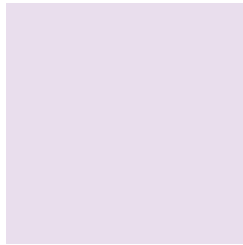
10.0524, 0.5858, 0.3001



0.8050, 0.5465, 0.2784

Previews

White Background



This preview shows how the Yxy color 75.6806, 0.3106, 0.3134 looks on a white background.

Color Contrast Check

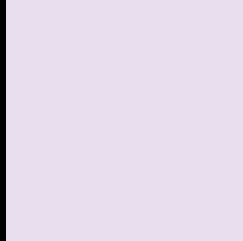
Large Text (above 18pt) WCAG AA × Fail

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 75.6806, 0.3106, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

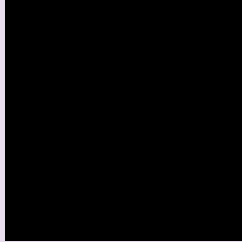
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

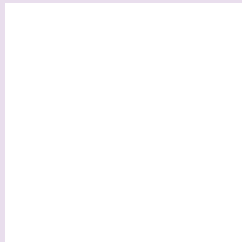
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6806, 0.3106, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 75.6806, 0.3106, 0.3134.

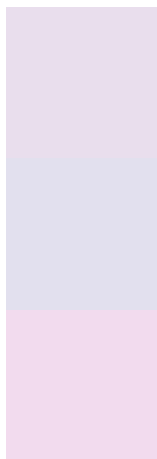


This preview shows how white text looks on a background with the Yxy color 75.6806, 0.3106, 0.3134.

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

75.6806, 0.3106, 0.3134

Protanopia

75.6531, 0.3051, 0.3143

Deuteranopia

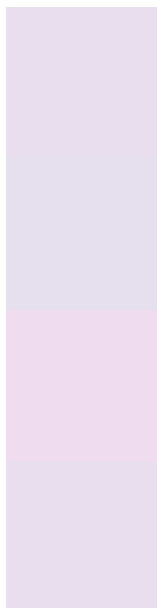
75.7133, 0.3165, 0.3096



Tritanopia

75.7982, 0.3094, 0.3114

Trichromacy



Original Color

75.6806, 0.3106, 0.3134

Protanomaly

75.6064, 0.3072, 0.3133

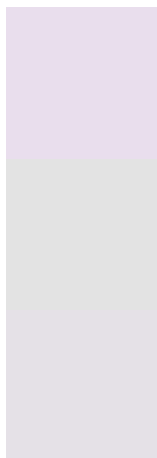
Deuteranomaly

75.7102, 0.3143, 0.3105

Tritanomaly

75.7392, 0.3100, 0.3124

Monochromacy



Original Color

75.6806, 0.3106, 0.3134

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.2780, 0.3116, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6806, 0.3106, 0.3134 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(233, 222, 237)` looks like.

```
.text, #text, p{  
    color:rgb(233, 222, 237)  
}
```

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(233, 222, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 222, 237) }
```

Border

The CSS property to change the border of an element to Yxy 75.6806, 0.3106, 0.3134 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(233, 222, 237) }
```

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

```
.border{ border-color:rgb(233, 222, 237) }
```

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

Here you see how a box with a 4 pixel rgb(233, 222, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 222, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 222, 237);  
box-shadow:4px 4px 4px 4px rgb(233, 222,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6806, 0.3106, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 222, 237) }
```

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

```
.background{ background-color: rgb(233,  
222, 237) }
```

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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