

Converting Colors

$Y_{xy}(82.3012, 0.3105, 0.3189)$

Have a look what the booklet for
Yxy(82.3012, 0.3105, 0.3189)
contains.

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Color

Yxy(82.3012, 0.3105, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	EEE8F2
RGB	238, 232, 242
RGB Percent	93%, 91%, 95%
CMY	0.0668, 0.0901, 0.0511
CMYK	0.02, 0.04, 0.00, 0.05
HSL	276°, 28%, 93%
HSV	276°, 4%, 95%
XYZ	80.1333, 82.3012, 95.6439
YIQ	234.9340, 0.3660, 4.3820

Conversions

Conversions Part 2

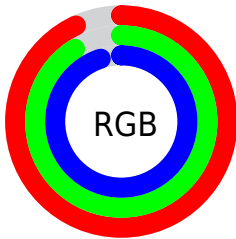
Format	Color
R _Y B	238, 232, 242
Decimal	15657202
CIE Lab	92.71, 3.78, -4.11
CIE LCh	93, 5.587, 312.576
Yxy	82.3012, 0.3105, 0.3189
Android (android.graphics.Color)	4293847282 (0xFFEEE8F2)
YUV	234.9340, 3.4835, 2.6889
Hunter-Lab	90.7200, -1.0903, 0.9960

Details

The Yxy color **82.3012, 0.3105, 0.3189** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.1506, 0.3149, 0.3391**, and the grayscale version is **82.9965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5409, 0.3099, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **67.9692, 0.3044, 0.2930**, and if you desaturate by 10%, it is **97.8293, 0.3157, 0.3417**.

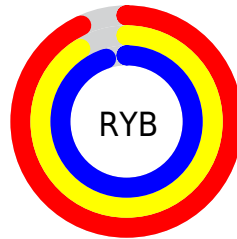
Distribution



Red (93%)

Green (91%)

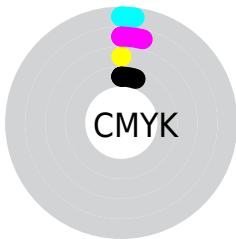
Blue (95%)



Red (93%)

Yellow (91%)

Blue (95%)

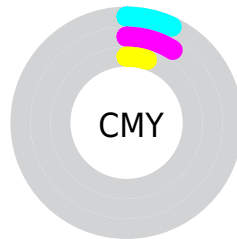


Cyan (2%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (7%)


Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3012, 0.3105, 0.3189 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 82.3012, 0.3105, 0.3189 by changing the saturation by 10% instead.

 82.3012, 0.3105,
0.3189

 82.3012, 0.3105,
0.3189


502.6546, 0.3115,
0.3235

 61.6138, 0.3103,
0.3179


136.5963, 0.3109,
0.3205

 44.7207, 0.3100,
0.3167


170.9728, 0.3110,
0.3211

 31.2375, 0.3096,
0.3151


210.6812, 0.3111,
0.3216

 20.7798, 0.3092,
0.3131

256.1058, 0.3112,
0.3221

 12.9631, 0.3085,
0.3105

307.6311, 0.3113,
0.3225

 7.4032, 0.3076,
0.3068

365.6414, 0.3114,

 3.7155, 0.3062,

0.3228

0.3013

430.5211, 0.3115,
0.3232

■ 1.5157, 0.3038,
0.2921

■ 0.2998, 0.2922,
0.2322

■ 82.3012, 0.3105,
0.3189

■ 82.3012, 0.3105,
0.3189

■ 67.9692, 0.3044,
0.2930

■ 97.8293, 0.3157,
0.3417

■ 55.5224, 0.2973,
0.2655

■ 99.1892, 0.3203,
0.3415

■ 44.8816, 0.2890,
0.2370

■ 35.9575, 0.2798,
0.2083

■ 28.6535, 0.2696,
0.1805

■ 22.8627, 0.2589,
0.1551

■ 18.4651, 0.2479,
0.1333

■ 15.3218, 0.2371,
0.1162

■ 13.2634, 0.2270,
0.1043

Harmonies

Analogous

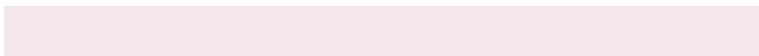
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3012, 0.3046, 0.3180



82.3012, 0.3105, 0.3189



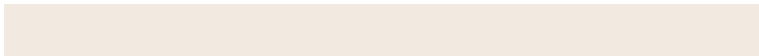
82.3012, 0.3170, 0.3224

Triad

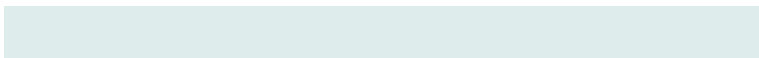
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3012, 0.3105, 0.3189



82.3012, 0.3246, 0.3379



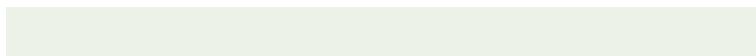
82.3012, 0.3031, 0.3303

Complementary

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



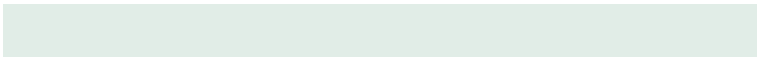
82.3012, 0.3105, 0.3189



87.1506, 0.3149, 0.3391

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.



82.3012, 0.3084, 0.3358



82.3012, 0.3105, 0.3189



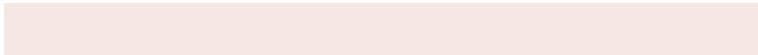
82.3012, 0.3208, 0.3402

Square

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



82.3012, 0.3105, 0.3189



82.3012, 0.3252, 0.3333



82.3012, 0.3148, 0.3394



82.3012, 0.3004, 0.3245

Rectangle

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



82.3012, 0.3105, 0.3189



82.3012, 0.3209, 0.3258



82.3012, 0.3148, 0.3394



82.3012, 0.3046, 0.3322

Sweetspot

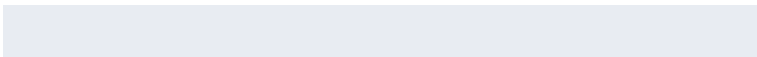
The Sweet Spot groups the original color and five complimentary colors.



82.3047, 0.3105, 0.3189



98.1901, 0.3122, 0.3266



83.6539, 0.3064, 0.3230



21.0358, 0.3122, 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.



82.3047, 0.3105, 0.3189



91.1750, 0.3100, 0.3167



82.9546, 0.3137, 0.3198



16.8660, 0.3096, 0.3150



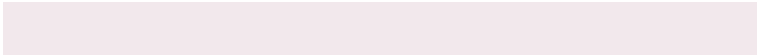
6.7507, 0.2229, 0.1001



0.6194, 0.2355, 0.1071

Inverse Universe

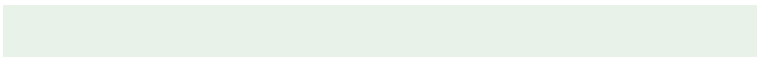
The Inverse Universe completely reimagines the original color for something new.



82.6522, 0.3170, 0.3250



91.6515, 0.3179, 0.3241



86.5211, 0.3117, 0.3384



16.9671, 0.3187, 0.3234



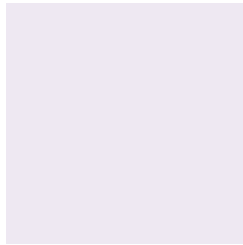
10.6318, 0.5371, 0.2732



0.9036, 0.5023, 0.2541

Previews

White Background



This preview shows how the Yxy color 82.3012, 0.3105, 0.3189 looks on a white background.

Color Contrast Check

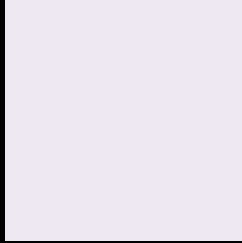
Large Text (above 18pt) WCAG AA × Fail

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 82.3012, 0.3105, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

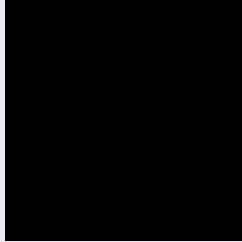
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

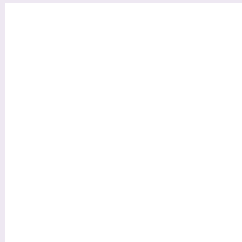
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3012, 0.3105, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 82.3012, 0.3105, 0.3189.

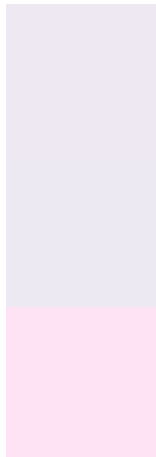


This preview shows how white text looks on a background with the Yxy color 82.3012, 0.3105, 0.3189.

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

82.3012, 0.3105, 0.3189

Protanopia

82.5215, 0.3091, 0.3198

Deuteranopia

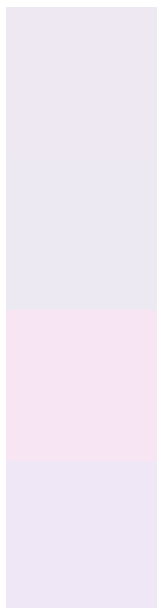
82.2919, 0.3204, 0.3133



Tritanopia

82.3421, 0.3069, 0.3109

Trichromacy



Original Color

82.3012, 0.3105, 0.3189

Protanomaly

82.6932, 0.3098, 0.3199

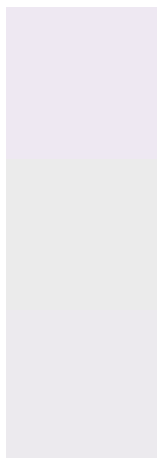
Deuteranomaly

82.4661, 0.3168, 0.3151

Tritanomaly

82.1564, 0.3087, 0.3139

Monochromacy



Original Color

82.3012, 0.3105, 0.3189

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.8516, 0.3116, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3012, 0.3105, 0.3189 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(238, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(238, 232, 242)  
}
```

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(238, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 232, 242) }
```

Border

The CSS property to change the border of an element to Yxy 82.3012, 0.3105, 0.3189 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(238, 232, 242) }
```

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

```
.border{ border-color:rgb(238, 232, 242) }
```

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

Here you see how a box with a 4 pixel rgb(238, 232, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(238, 232,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3012, 0.3105, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 232, 242) }
```

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

```
.background{ background-color: rgb(238,  
232, 242) }
```

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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