

Converting Colors

$Y_{xy}(81.2248, 0.3085, 0.3178)$

Have a look what the booklet for
Yxy(81.2248, 0.3085, 0.3178)
contains.

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Color

Yxy(81.2248, 0.3085, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	EBE7F2
RGB	235, 231, 242
RGB Percent	92%, 91%, 95%
CMY	0.0786, 0.0940, 0.0510
CMYK	0.03, 0.05, 0.00, 0.05
HSL	261°, 30%, 93%
HSV	261°, 5%, 95%
XYZ	78.8479, 81.2248, 95.5120
YIQ	233.4500, -1.1470, 4.2690

Conversions

Conversions Part 2

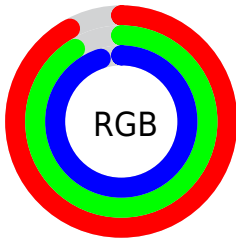
Format	Color
R _Y B	235, 231, 242
Decimal	15460338
CIE Lab	92.23, 3.29, -4.85
CIE LCh	92, 5.859, 304.188
Yxy	81.2248, 0.3085, 0.3178
Android (android.graphics.Color)	4293650418 (0xFFE7E7F2)
YUV	233.4500, 4.2152, 1.3594
Hunter-Lab	90.1248, -1.5534, 0.2533

Details

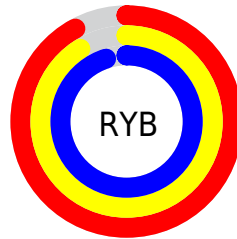
The Yxy color $81.2248, 0.3085, 0.3178$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $87.4529, 0.3168, 0.3401$, and the grayscale version is $81.8067, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.7888, 0.3073, 0.3145$ is the 20% darker color. If you saturate the color by 10%, you get $66.0743, 0.2981, 0.2912$, and if you desaturate by 10%, it is $98.3436, 0.3174, 0.3416$.

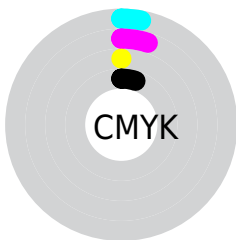
Distribution



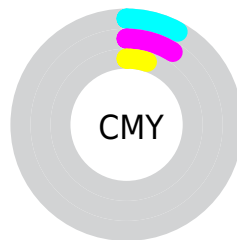
- Red (92%)
- Green (91%)
- Blue (95%)



- Red (92%)
- Yellow (91%)
- Blue (95%)



- Cyan (3%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (8%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2248, 0.3085, 0.3178 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 81.2248, 0.3085, 0.3178 by changing the saturation by 10% instead.

81.2248, 0.3085,
0.3178

81.2248, 0.3085,
0.3178

499.0510, 0.3104,
0.3229

60.7268, 0.3081,
0.3167

135.0864, 0.3092,
0.3195

44.0047, 0.3075,
0.3153

169.2187, 0.3094,
0.3202

30.6742, 0.3069,
0.3136

208.6646, 0.3096,
0.3208

20.3509, 0.3060,
0.3114

253.8084, 0.3098,
0.3213

12.6504, 0.3048,
0.3084

305.0345, 0.3100,
0.3218

7.1882, 0.3031,
0.3042

362.7274, 0.3102,

3.5801, 0.3006,

0.3222

0.2980

427.2714, 0.3103,
0.3225

■ 1.4416, 0.2961,
0.2876

■ 0.2471, 0.2694,
0.2111

■ 81.2248, 0.3085,
0.3178

■ 81.2248, 0.3085,
0.3178

■ 66.0743, 0.2981,
0.2912

■ 98.3436, 0.3174,
0.3416

■ 52.9418, 0.2861,
0.2623

■ 99.1898, 0.3203,
0.3415

■ 41.7430, 0.2725,
0.2315

■ 32.3837, 0.2575,
0.1997

■ 24.7615, 0.2415,
0.1682

■ 18.7637, 0.2251,
0.1388

■ 14.2637, 0.2092,
0.1132

■ 11.1155, 0.1946,
0.0932

■ 9.1412, 0.1822,
0.0797

Harmonies

Analogous

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



81.2248, 0.3028, 0.3177



81.2248, 0.3085, 0.3178



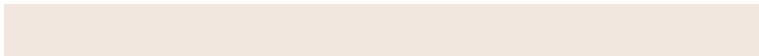
81.2248, 0.3154, 0.3208

Triad

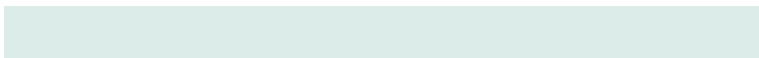
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2248, 0.3085, 0.3178



81.2248, 0.3258, 0.3372



81.2248, 0.3039, 0.3321

Complementary

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



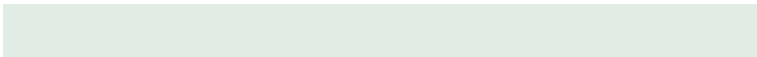
81.2248, 0.3085, 0.3178



87.4529, 0.3168, 0.3401

Split Complementary

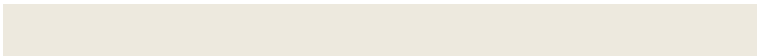
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2248, 0.3100, 0.3375



81.2248, 0.3085, 0.3178



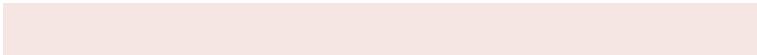
81.2248, 0.3227, 0.3404

Square

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



81.2248, 0.3085, 0.3178



81.2248, 0.3254, 0.3319



81.2248, 0.3169, 0.3405



81.2248, 0.3002, 0.3259

Rectangle

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



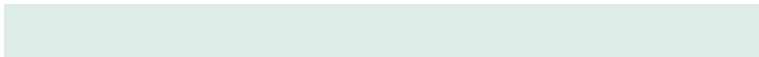
81.2248, 0.3085, 0.3178



81.2248, 0.3197, 0.3241



81.2248, 0.3169, 0.3405



81.2248, 0.3057, 0.3340

Sweetspot

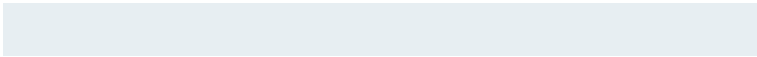
The Sweet Spot groups the original color and five complimentary colors.



81.2283, 0.3085, 0.3178



98.0745, 0.3118, 0.3266



84.6378, 0.3057, 0.3251



21.0123, 0.3119, 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.



81.2283, 0.3085, 0.3178



90.6132, 0.3080, 0.3166



82.1601, 0.3121, 0.3179



16.7473, 0.3074, 0.3149



4.5915, 0.1780, 0.0754



0.4360, 0.1925, 0.0834

Inverse Universe

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



82.2165, 0.3157, 0.3219



91.8428, 0.3161, 0.3211



86.5329, 0.3133, 0.3402



17.0075, 0.3165, 0.3201



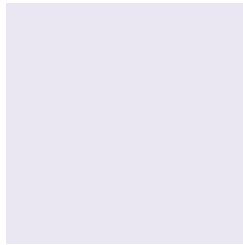
11.4468, 0.4369, 0.2181



0.9712, 0.4176, 0.2074

Previews

White Background



This preview shows how the Yxy color 81.2248, 0.3085, 0.3178 looks on a white background.

Color Contrast Check

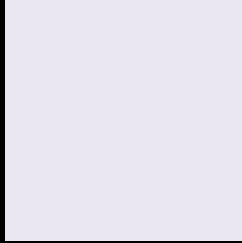
Large Text (above 18pt) WCAG AA × Fail

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 81.2248, 0.3085, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

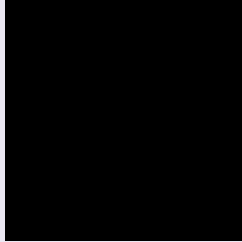
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

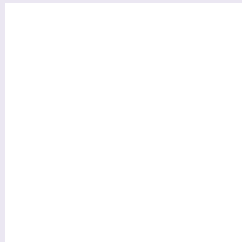
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2248, 0.3085, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 81.2248, 0.3085, 0.3178.

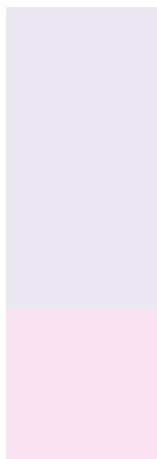


This preview shows how white text looks on a background with the Yxy color 81.2248, 0.3085, 0.3178.

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

81.2248, 0.3085, 0.3178

Protanopia

81.0551, 0.3079, 0.3177

Deuteranopia

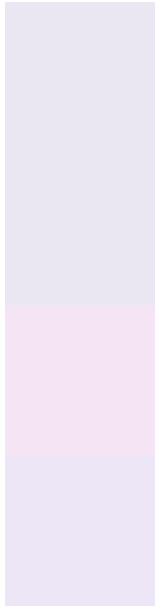
81.1878, 0.3183, 0.3122



Tritanopia

81.2038, 0.3055, 0.3108

Trichromacy



Original Color

81.2248, 0.3085, 0.3178

Protanomaly

81.0551, 0.3079, 0.3177

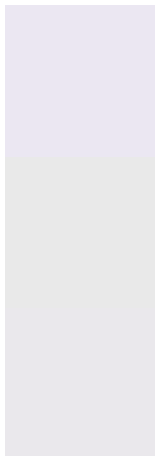
Deuteranomaly

81.3703, 0.3148, 0.3140

Tritanomaly

81.0803, 0.3067, 0.3127

Monochromacy



Original Color

81.2248, 0.3085, 0.3178

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.2618, 0.3116, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2248, 0.3085, 0.3178 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, 231, 242)` looks like.

```
.text, #text, p{  
    color:rgb(235, 231, 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(235, 231, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 231, 242) }
```

Border

The CSS property to change the border of an element to Yxy 81.2248, 0.3085, 0.3178 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, 231, 242) }
```

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

```
.border{ border-color:rgb(235, 231, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 231, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 231, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 231, 242);  
box-shadow:4px 4px 4px 4px rgb(235, 231,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2248, 0.3085, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 231, 242) }
```

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

```
.background{ background-color: rgb(235,  
231, 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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