

Converting Colors

Yxy(82.9215, 0.3014, 0.3239)

Have a look what the booklet for
Yxy(82.9215, 0.3014, 0.3239)
contains.

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Color

Yxy(82.8265, 0.3012, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	E0EDF2
RGB	224, 237, 242
RGB Percent	88%, 93%, 95%
CMY	0.1216, 0.0705, 0.0510
CMYK	0.07, 0.02, 0.00, 0.05
HSL	197°, 41%, 91%
HSV	197°, 7%, 95%
XYZ	77.0455, 82.8265, 95.9232
YIQ	233.6830, -9.3530, -1.2010

Conversions

Conversions Part 2

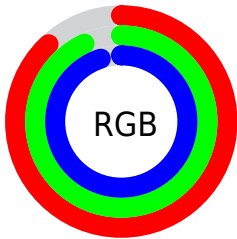
Format	Color
R _Y B	224, 232, 242
Decimal	14740978
CIE Lab	92.94, -3.36, -3.90
CIE LCh	93, 5.151, 229.262
Yxy	82.8265, 0.3012, 0.3238
Android (android.graphics.Color)	4292931058 (0xFFE0EDF2)
YUV	233.6830, 4.1003, -8.4920
Hunter-Lab	91.0091, -8.1532, 1.2149

Details

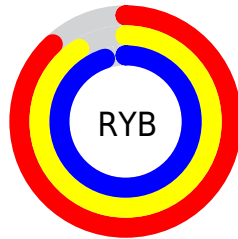
The Yxy color **82.8265, 0.3012, 0.3238** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.2730, 0.3250, 0.3341**, and the grayscale version is **82.0006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0279, 0.2988, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **75.4327, 0.2858, 0.3162**, and if you desaturate by 10%, it is **90.9221, 0.3167, 0.3307**.

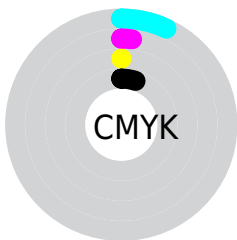
Distribution



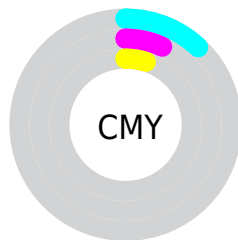
- Red (88%)
- Green (93%)
- Blue (95%)



- Red (88%)
- Yellow (91%)
- Blue (95%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (12%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8265, 0.3012, 0.3238 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 82.8265, 0.3012, 0.3238 by changing the saturation by 10% instead.

■ 82.8265, 0.3012,
0.3238

■ 82.8265, 0.3012,
0.3238

504.4081, 0.3064,
0.3262

■ 62.0470, 0.3000,
0.3233

137.3324, 0.3030,
0.3246

■ 45.0707, 0.2986,
0.3226

171.8277, 0.3037,
0.3249

■ 31.5131, 0.2969,
0.3218

211.6637, 0.3043,
0.3252

■ 20.9899, 0.2946,
0.3207

257.2247, 0.3048,
0.3255

■ 13.1166, 0.2915,
0.3192

308.8953, 0.3053,
0.3257

■ 7.5089, 0.2873,
0.3172

367.0598, 0.3057,

■ 3.7823, 0.2809,

0.3259

0.3140

432.1026, 0.3061,
0.3260

■ 1.5526, 0.2702,
0.3086

■ 0.3253, 0.1926,
0.2758

■ 82.8265, 0.3012,
0.3238

■ 82.8265, 0.3012,
0.3238

■ 75.4327, 0.2858,
0.3162

■ 90.9221, 0.3167,
0.3307

■ 68.7054, 0.2706,
0.3079

■ 96.2859, 0.3206,
0.3371

■ 62.6220, 0.2561,
0.2989

■ 99.1903, 0.3203,
0.3415

■ 57.1539, 0.2425,
0.2893

■ 52.2704, 0.2303,
0.2792

■ 47.9374, 0.2197,
0.2689

■ 44.1162, 0.2110,
0.2583

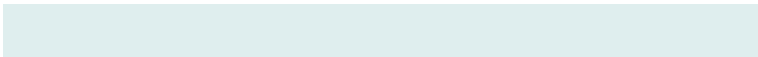
■ 40.7619, 0.2043,
0.2478

■ 37.8157, 0.1996,
0.2375

Harmonies

Analogous

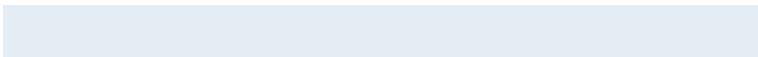
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8265, 0.3031, 0.3290



82.8265, 0.3012, 0.3238



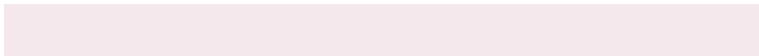
82.8265, 0.3024, 0.3201

Triad

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



82.8265, 0.3012, 0.3238



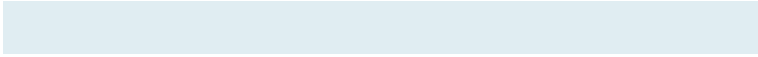
82.8265, 0.3179, 0.3239



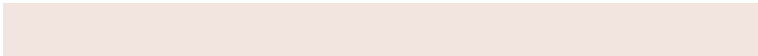
82.8265, 0.3191, 0.3394

Complementary

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



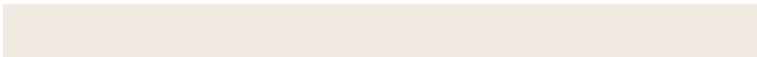
82.8265, 0.3012, 0.3238



80.2730, 0.3250, 0.3341

Split Complementary

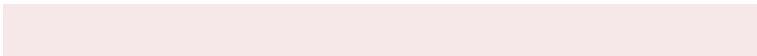
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8265, 0.3231, 0.3379



82.8265, 0.3012, 0.3238



82.8265, 0.3225, 0.3290

Square

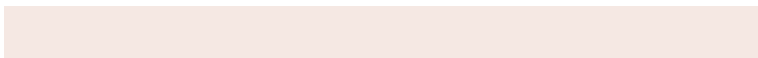
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



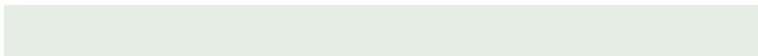
82.8265, 0.3012, 0.3238



82.8265, 0.3120, 0.3202



82.8265, 0.3244, 0.3341



82.8265, 0.3133, 0.3380

Rectangle

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



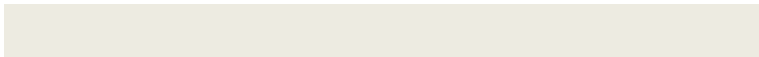
82.8265, 0.3012, 0.3238



82.8265, 0.3048, 0.3190



82.8265, 0.3244, 0.3341



82.8265, 0.3207, 0.3392

Sweetspot

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



82.8300, 0.3012, 0.3238



98.1492, 0.3096, 0.3276



84.9887, 0.3090, 0.3428



21.0274, 0.3098, 0.3277



0.0000, 0.0000, 0.0000



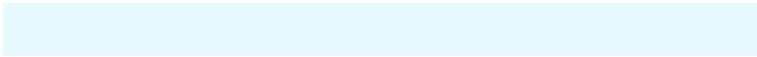
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8300, 0.3012, 0.3238



91.9225, 0.2987, 0.3226



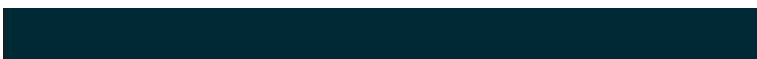
77.8420, 0.3012, 0.3145



17.1470, 0.2981, 0.3223



20.1755, 0.1991, 0.2366



1.8442, 0.2028, 0.2502

Inverse Universe

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



78.2916, 0.3168, 0.3158



85.8194, 0.3178, 0.3129



85.2830, 0.3242, 0.3431



15.9525, 0.3180, 0.3121



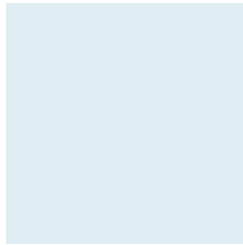
11.8301, 0.4058, 0.2009



1.0009, 0.3920, 0.1933

Previews

White Background



This preview shows how the Yxy color 82.8265, 0.3012, 0.3238 looks on a white background.

Color Contrast Check

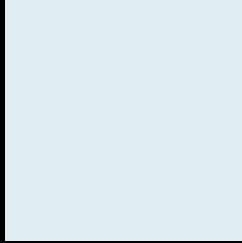
Large Text (above 18pt) WCAG AA × Fail

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 82.8265, 0.3012, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

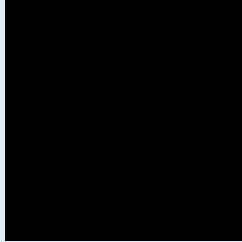
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

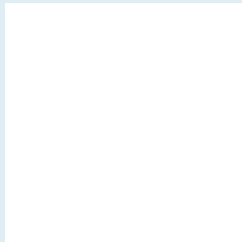
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8265, 0.3012, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 82.8265, 0.3012, 0.3238.

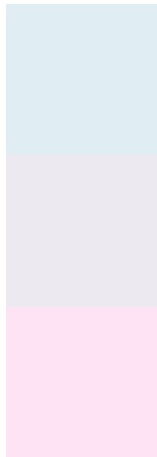


This preview shows how white text looks on a background with the Yxy color 82.8265, 0.3012, 0.3238.

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

82.8265, 0.3012, 0.3238

Protanopia

82.5736, 0.3110, 0.3219

Deuteranopia

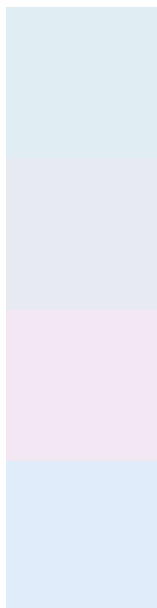
82.3525, 0.3197, 0.3123



Tritanopia

82.7412, 0.2954, 0.3096

Trichromacy



Original Color

82.8265, 0.3012, 0.3238

Protanomaly

82.3523, 0.3071, 0.3218

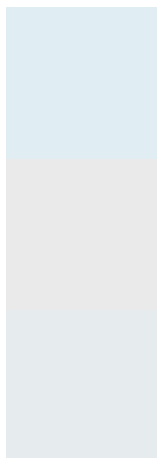
Deuteranomaly

82.5001, 0.3126, 0.3169

Tritanomaly

82.9006, 0.2971, 0.3146

Monochromacy



Original Color

82.8265, 0.3012, 0.3238

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3541, 0.3082, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8265, 0.3012, 0.3238 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(224, 237, 242)` looks like.

```
.text, #text, p{  
    color:rgb(224, 237, 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(224, 237, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 237, 242) }
```

Border

The CSS property to change the border of an element to Yxy 82.8265, 0.3012, 0.3238 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(224, 237, 242) }
```

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

```
.border{ border-color:rgb(224, 237, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 237, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 237, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 237, 242);  
box-shadow:4px 4px 4px 4px rgb(224, 237,  
242) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.8265, 0.3012, 0.3238$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 237, 242) }
```

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

```
.background{ background-color: rgb(224,  
237, 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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