

Converting Colors

$Yxy(84.8002, 0.3023, 0.3233)$

Have a look what the booklet for
Yxy(84.8002, 0.3023, 0.3233)
contains.

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Color

Yxy(84.8196, 0.3020, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	E4EFF5
RGB	228, 239, 245
RGB Percent	89%, 94%, 96%
CMY	0.1057, 0.0628, 0.0391
CMYK	0.07, 0.02, 0.00, 0.04
HSL	201°, 46%, 93%
HSV	201°, 7%, 96%
XYZ	79.3541, 84.8196, 98.5883
YIQ	236.3950, -8.4820, -0.4660

Conversions

Conversions Part 2

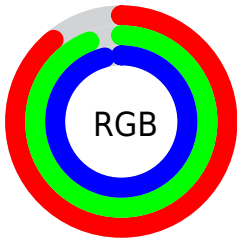
Format	Color
R _{YB}	228, 235, 245
Decimal	15003637
CIE _{Lab}	93.81, -2.49, -4.17
CIE _{LCh}	94, 4.853, 239.170
Y _{xy}	84.8196, 0.3020, 0.3228
Android (android.graphics.Color)	4293193717 (0xFFE4EFF5)
Y _{UV}	236.3950, 4.2423, -7.3624
Hunter-Lab	92.0976, -7.3695, 0.9997

Details

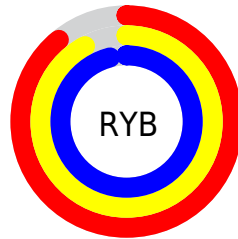
The Yxy color **84.8196, 0.3020, 0.3228** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9028, 0.3240, 0.3351**, and the grayscale version is **84.1782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4253, 0.2998, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **76.1252, 0.2864, 0.3130**, and if you desaturate by 10%, it is **94.3341, 0.3174, 0.3316**.

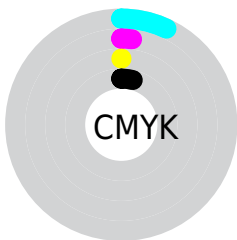
Distribution



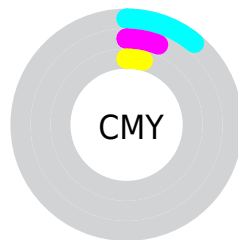
- Red (89%)
- Green (94%)
- Blue (96%)



- Red (89%)
- Yellow (92%)
- Blue (96%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8196, 0.3020, 0.3228 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 84.8196, 0.3020, 0.3228 by changing the saturation by 10% instead.

84.8196, 0.3020,
0.3228

84.8196, 0.3020,
0.3228

511.0309, 0.3068,
0.3256

63.6923, 0.3009,
0.3222

140.1211, 0.3036,
0.3238

46.4015, 0.2996,
0.3214

175.0641, 0.3043,
0.3241

32.5628, 0.2980,
0.3204

215.3812, 0.3049,
0.3245

21.7917, 0.2959,
0.3192

261.4567, 0.3053,
0.3248

13.7039, 0.2931,
0.3175

313.6750, 0.3058,
0.3250

7.9150, 0.2893,
0.3152

372.4206, 0.3062,

4.0406, 0.2835,

0.3252

0.3116

438.0778, 0.3065,
0.3254

■ 1.6963, 0.2739,
0.3056

■ 0.4213, 0.2248,
0.2788

■ 84.8196, 0.3020,
0.3228

■ 84.8196, 0.3020,
0.3228

■ 76.1252, 0.2864,
0.3130

■ 94.3341, 0.3174,
0.3316

■ 68.2129, 0.2708,
0.3023

■ 99.3736, 0.3185,
0.3386

■ 61.0575, 0.2555,
0.2906

■ 54.6278, 0.2410,
0.2781

■ 48.8903, 0.2276,
0.2650

■ 43.8081, 0.2158,
0.2513

■ 39.3394, 0.2058,
0.2375

■ 35.4363, 0.1979,
0.2238

■ 32.0382, 0.1922,
0.2103

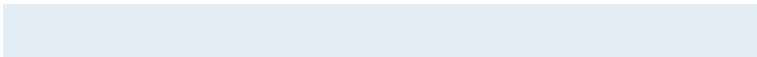
Harmonies

Analogous

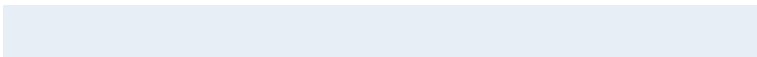
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8196, 0.3028, 0.3273



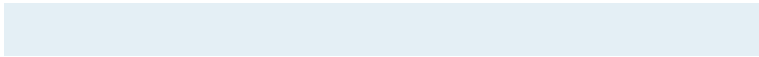
84.8196, 0.3020, 0.3228



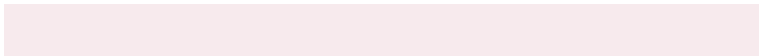
84.8196, 0.3040, 0.3200

Triad

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



84.8196, 0.3020, 0.3228



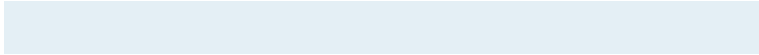
84.8196, 0.3192, 0.3257



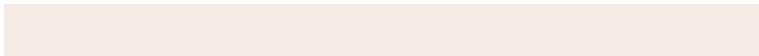
84.8196, 0.3170, 0.3386

Complementary

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



84.8196, 0.3020, 0.3228



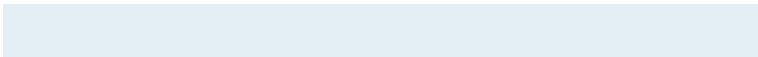
83.9028, 0.3240, 0.3351

Split Complementary

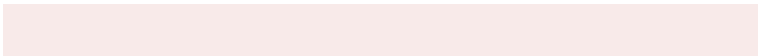
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8196, 0.3215, 0.3381



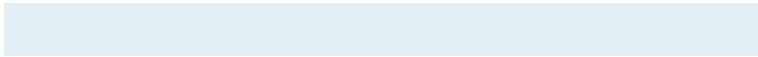
84.8196, 0.3020, 0.3228



84.8196, 0.3227, 0.3306

Square

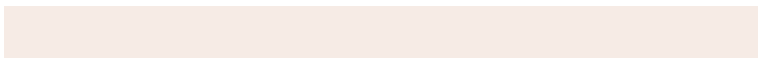
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



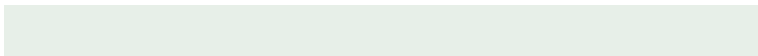
84.8196, 0.3020, 0.3228



84.8196, 0.3140, 0.3217



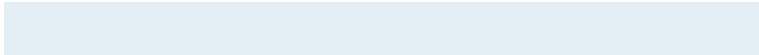
84.8196, 0.3236, 0.3351



84.8196, 0.3114, 0.3365

Rectangle

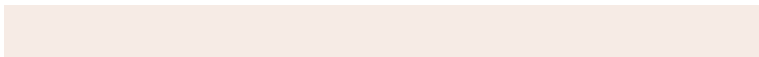
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8196, 0.3020, 0.3228



84.8196, 0.3067, 0.3195



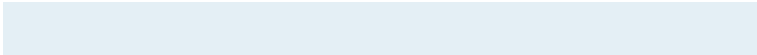
84.8196, 0.3236, 0.3351



84.8196, 0.3187, 0.3387

Sweetspot

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



84.8232, 0.3020, 0.3228



97.8961, 0.3096, 0.3273



87.7558, 0.3084, 0.3403



20.9759, 0.3098, 0.3273



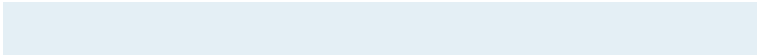
0.0000, 0.0000, 0.0000



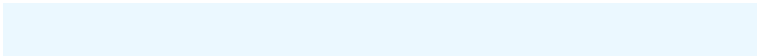
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8232, 0.3020, 0.3228



91.8015, 0.3003, 0.3218



80.0159, 0.3021, 0.3141



17.7104, 0.2980, 0.3204



17.0050, 0.1912, 0.2084



1.6878, 0.1959, 0.2252

Inverse Universe

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



81.1569, 0.3174, 0.3180



87.2103, 0.3182, 0.3162



88.8045, 0.3232, 0.3435



16.6626, 0.3192, 0.3138



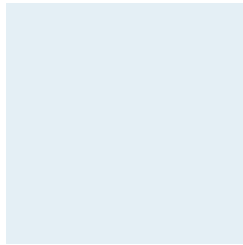
11.8160, 0.4359, 0.2175



1.0580, 0.4177, 0.2075

Previews

White Background



This preview shows how the Yxy color 84.8196, 0.3020, 0.3228 looks on a white background.

Color Contrast Check

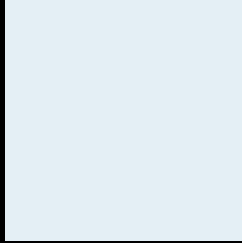
Large Text (above 18pt) WCAG AA × Fail

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 84.8196, 0.3020, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

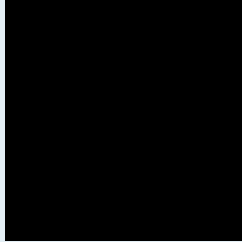
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

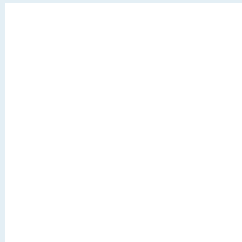
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8196, 0.3020, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 84.8196, 0.3020, 0.3228.

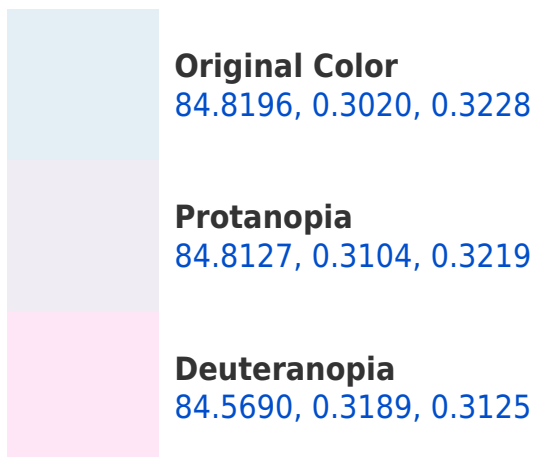


This preview shows how white text looks on a background with the Yxy color 84.8196, 0.3020, 0.3228.

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

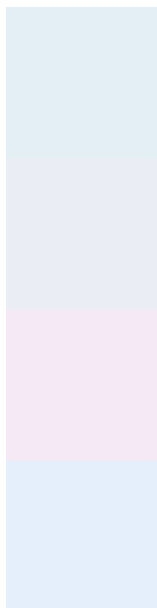




Tritanopia

84.6114, 0.2974, 0.3108

Trichromacy



Original Color

84.8196, 0.3020, 0.3228

Protanomaly

84.7622, 0.3071, 0.3219

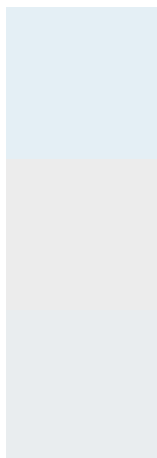
Deuteranomaly

84.3441, 0.3127, 0.3161

Tritanomaly

84.7721, 0.2991, 0.3158

Monochromacy



Original Color

84.8196, 0.3020, 0.3228

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.1240, 0.3089, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8196, 0.3020, 0.3228 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(228, 239, 245)` looks like.

```
.text, #text, p{  
    color:rgb(228, 239, 245)  
}
```

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(228, 239, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 239, 245) }
```

Border

The CSS property to change the border of an element to Yxy 84.8196, 0.3020, 0.3228 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(228, 239, 245) }
```

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

```
.border{ border-color:rgb(228, 239, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 239, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 239, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 239, 245);  
box-shadow:4px 4px 4px 4px rgb(228, 239,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8196, 0.3020, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 239, 245) }
```

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

```
.background{ background-color: rgb(228,  
239, 245) }
```

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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