

Converting Colors

$Yxy(89.1110, 0.3024, 0.3354)$

Have a look what the booklet for
Yxy(89.1110, 0.3024, 0.3354)
contains.

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Color

Yxy(88.8800, 0.3024, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	E1F7F1
RGB	225, 247, 241
RGB Percent	88%, 97%, 95%
CMY	0.1173, 0.0314, 0.0549
CMYK	0.09, 0.00, 0.02, 0.03
HSL	164°, 58%, 93%
HSV	164°, 9%, 97%
XYZ	80.2068, 88.8800, 96.1474
YIQ	239.7380, -11.1860, -6.5300

Conversions

Conversions Part 2

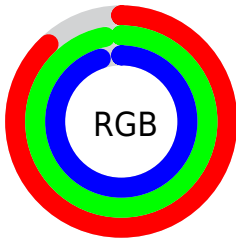
Format	Color
R _Y B	225, 238, 247
Decimal	14809073
CIE Lab	95.53, -8.24, 0.42
CIE LCh	96, 8.252, 177.106
Yxy	88.8800, 0.3024, 0.3351
Android (android.graphics.Color)	4292999153 (0xFFE1F7F1)
YUV	239.7380, 0.6222, -12.9252
Hunter-Lab	94.2762, -13.1219, 5.5265

Details

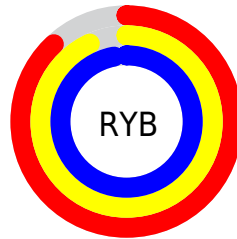
The Yxy color **88.8800, 0.3024, 0.3351** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.4369, 0.3242, 0.3230**, and the grayscale version is **86.9352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3104, 0.3004, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **84.7996, 0.2912, 0.3427**, and if you desaturate by 10%, it is **93.5571, 0.3140, 0.3283**.

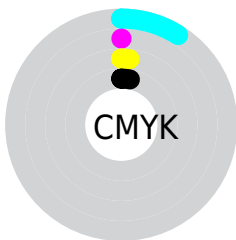
Distribution



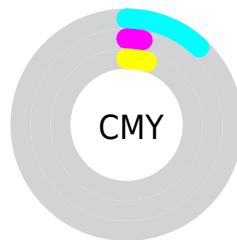
- Red (88%)
- Green (97%)
- Blue (95%)



- Red (88%)
- Yellow (93%)
- Blue (97%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)




- Cyan (12%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.8800, 0.3024, 0.3351 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 88.8800, 0.3024, 0.3351 by changing the saturation by 10% instead.


 88.8800, 0.3024,
0.3351

 88.8800, 0.3024,
0.3351


524.3808, 0.3070,
0.3324

 67.0521, 0.3014,
0.3357


145.7817, 0.3040,
0.3342

 49.1270, 0.3001,
0.3364


181.6243, 0.3046,
0.3338

 34.7202, 0.2986,
0.3373


222.9072, 0.3051,
0.3335

 23.4474, 0.2966,
0.3385

270.0148, 0.3056,
0.3332

 14.9242, 0.2940,
0.3401

323.3316, 0.3060,
0.3330

 8.7662, 0.2904,
0.3422

383.2420, 0.3064,

 4.5890, 0.2850,

0.3328

0.3454

450.1302, 0.3067,
0.3326

■ 2.0082, 0.2763,
0.3507

■ 0.6122, 0.2335,
0.3755

■ 88.8800, 0.3024,
0.3351

■ 88.8800, 0.3024,
0.3351

■ 84.7996, 0.2912,
0.3427

■ 93.5571, 0.3140,
0.3283


■ 81.2799, 0.2808,
0.3509


■ 94.9602, 0.3134,
0.3218


■ 78.2982, 0.2713,
0.3599


■ 94.9928, 0.3131,
0.3214


■ 75.8259, 0.2633,
0.3694

 73.8317, 0.2568,
0.3793

 72.2806, 0.2522,
0.3896

 71.1330, 0.2497,
0.4000

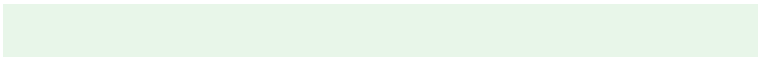
 70.3418, 0.2491,
0.4104

 69.8378, 0.2503,
0.4207

Harmonies

Analogous

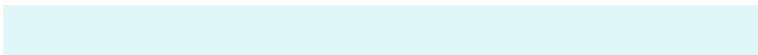
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8800, 0.3112, 0.3419



88.8800, 0.3024, 0.3351



88.8800, 0.2964, 0.3266

Triad

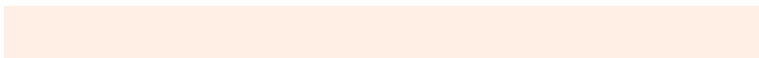
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8800, 0.3024, 0.3351



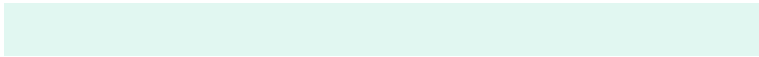
88.8800, 0.3049, 0.3133



88.8800, 0.3310, 0.3387

Complementary

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



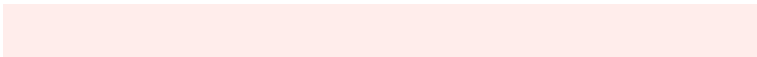
88.8800, 0.3024, 0.3351



79.4369, 0.3242, 0.3230

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.



88.8800, 0.3293, 0.3310



88.8800, 0.3024, 0.3351



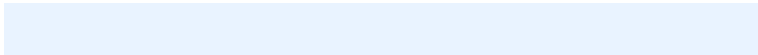
88.8800, 0.3141, 0.3166

Square

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



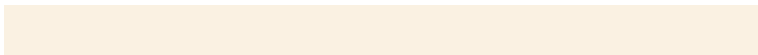
88.8800, 0.3024, 0.3351



88.8800, 0.2978, 0.3142



88.8800, 0.3230, 0.3230



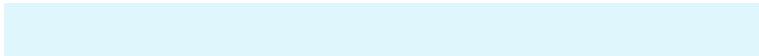
88.8800, 0.3277, 0.3439

Rectangle

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



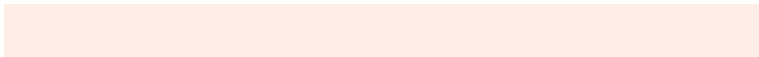
88.8800, 0.3024, 0.3351



88.8800, 0.2948, 0.3213



88.8800, 0.3230, 0.3230



88.8800, 0.3310, 0.3363

Sweetspot

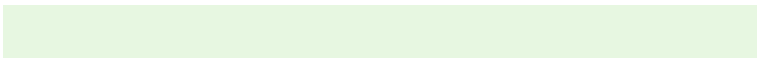
The Sweet Spot groups the original color and five complimentary colors.



88.8838, 0.3024, 0.3351



98.4440, 0.3092, 0.3310



88.9896, 0.3156, 0.3515



20.9842, 0.3083, 0.3316



0.0000, 0.0000, 0.0000



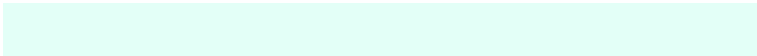
21.4041, 0.3127, 0.3290

Same Dimension

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



88.8838, 0.3024, 0.3351



94.5791, 0.2999, 0.3367



86.3811, 0.2990, 0.3241



18.6761, 0.3017, 0.3355



36.9390, 0.2500, 0.4201



3.2638, 0.2465, 0.4072

Inverse Universe

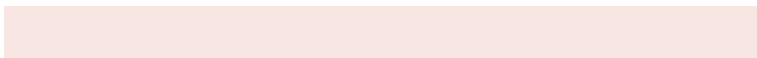
The Inverse Universe completely reimagines the original color for something new.



79.4369, 0.3242, 0.3230



82.1465, 0.3273, 0.3215



81.7079, 0.3277, 0.3339



16.5569, 0.3251, 0.3226



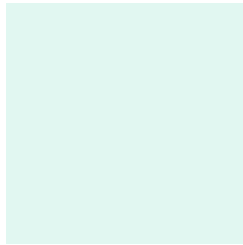
10.6955, 0.5856, 0.3000



0.9566, 0.5503, 0.2805

Previews

White Background



This preview shows how the Yxy color 88.8800, 0.3024, 0.3351 looks on a white background.

Color Contrast Check

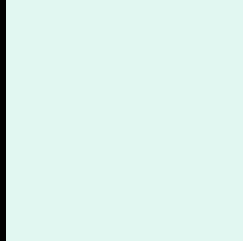
Large Text (above 18pt) WCAG AA × Fail

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 88.8800, 0.3024, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

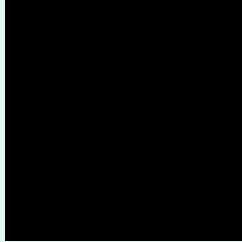
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

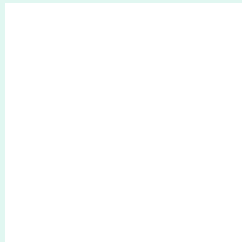
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.8800, 0.3024, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 88.8800, 0.3024, 0.3351.

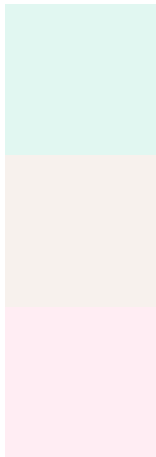


This preview shows how white text looks on a background with the Yxy color 88.8800, 0.3024, 0.3351.

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

88.8800, 0.3024, 0.3351

Protanopia

88.7992, 0.3191, 0.3330

Deuteranopia

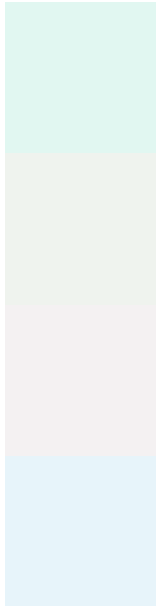
88.2994, 0.3210, 0.3232



Tritanopia

88.8136, 0.2999, 0.3170

Trichromacy



Original Color

88.8800, 0.3024, 0.3351

Protanomaly

88.6250, 0.3131, 0.3340

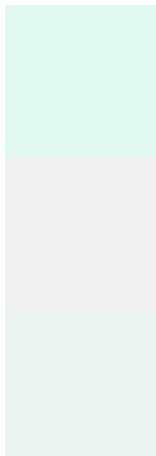
Deuteranomaly

88.5545, 0.3141, 0.3280

Tritanomaly

88.5924, 0.3009, 0.3229

Monochromacy



Original Color

88.8800, 0.3024, 0.3351

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

88.0546, 0.3093, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8800, 0.3024, 0.3351 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(225, 247, 241)` looks like.

```
.text, #text, p{  
    color:rgb(225, 247, 241)  
}
```

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(225, 247, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 247, 241) }
```

Border

The CSS property to change the border of an element to Yxy 88.8800, 0.3024, 0.3351 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(225, 247, 241) }
```

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

```
.border{ border-color:rgb(225, 247, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 247, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 247, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 247, 241);  
box-shadow:4px 4px 4px 4px rgb(225, 247,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 88.8800, 0.3024, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 247, 241) }
```

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

```
.background{ background-color: rgb(225,  
247, 241) }
```

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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