

Converting Colors

Yxy(88.9728, 0.3074, 0.3360)

Have a look what the booklet for
Yxy(88.9728, 0.3074, 0.3360)
contains.

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Color

Yxy(89.1325, 0.3073, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	E7F6EF
RGB	231, 246, 239
RGB Percent	91%, 96%, 94%
CMY	0.0940, 0.0353, 0.0627
CMYK	0.06, 0.00, 0.03, 0.04
HSL	152°, 45%, 94%
HSV	152°, 6%, 96%
XYZ	81.4948, 89.1325, 94.5690
YIQ	240.7170, -6.6930, -5.3570

Conversions

Conversions Part 2

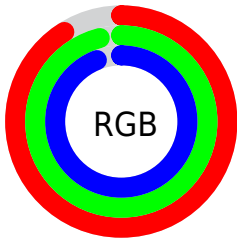
Format	Color
R _Y B	231, 241, 246
Decimal	15202031
CIE Lab	95.64, -6.18, 1.65
CIE LCh	96, 6.399, 165.015
Yxy	89.1325, 0.3073, 0.3361
Android (android.graphics.Color)	4293392111 (0xFFE7F6EF)
YUV	240.7170, -0.8465, -8.5218
Hunter-Lab	94.4100, -11.1361, 6.6971

Details

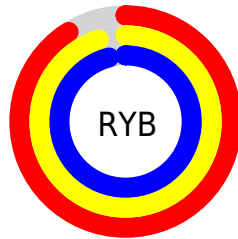
The Yxy color **89.1325, 0.3073, 0.3361** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9300, 0.3185, 0.3220**, and the grayscale version is **87.7442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3598, 0.3058, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **84.6680, 0.2986, 0.3489**, and if you desaturate by 10%, it is **94.1054, 0.3158, 0.3247**.

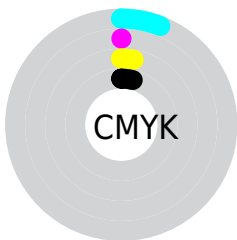
Distribution



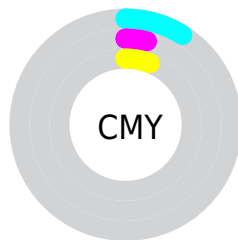
- Red (91%)
- Green (96%)
- Blue (94%)



- Red (91%)
- Yellow (95%)
- Blue (96%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)





- Cyan (9%)
- Magenta (4%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1325, 0.3073, 0.3361 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 89.1325, 0.3073, 0.3361 by changing the saturation by 10% instead.

 89.1325, 0.3073,
0.3361

 89.1325, 0.3073,
0.3361


525.2049, 0.3097,
0.3329

 67.2614, 0.3068,
0.3368


146.1328, 0.3081,
0.3350

 49.2971, 0.3061,
0.3377


182.0308, 0.3085,
0.3346

 34.8552, 0.3053,
0.3387


223.3732, 0.3087,
0.3342

 23.5513, 0.3042,
0.3401

270.5443, 0.3090,
0.3339

 15.0011, 0.3028,
0.3419

323.9287, 0.3092,
0.3336

 8.8202, 0.3009,
0.3445

383.9106, 0.3094,

 4.6241, 0.2980,

0.3334

0.3483

450.8746, 0.3096,
0.3331

■ 2.0284, 0.2933,
0.3546

■ 0.6239, 0.2713,
0.3828

■ 89.1325, 0.3073,
0.3361

■ 89.1325, 0.3073,
0.3361

■ 84.6680, 0.2986,
0.3489

■ 94.1054, 0.3158,
0.3247

■ 80.7935, 0.2903,
0.3630


■ 94.3921, 0.3131,
0.3204


■ 77.4865, 0.2827,
0.3785

■ 74.7187, 0.2761,
0.3952

 72.4591, 0.2709,
0.4129

 70.6734, 0.2674,
0.4313

 69.3233, 0.2658,
0.4499

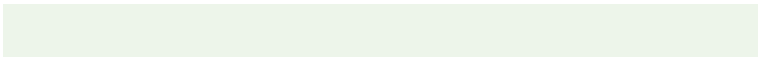
 68.3635, 0.2664,
0.4682

 67.7386, 0.2688,
0.4858

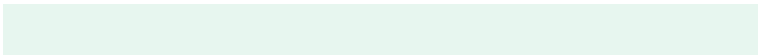
Harmonies

Analogous

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



89.1325, 0.3145, 0.3404



89.1325, 0.3073, 0.3361



89.1325, 0.3016, 0.3299

Triad

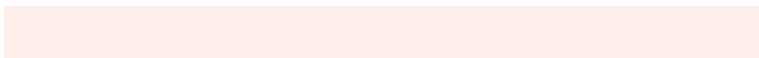
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1325, 0.3073, 0.3361



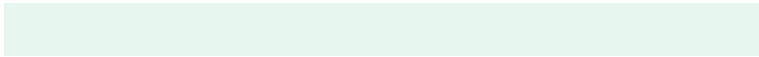
89.1325, 0.3041, 0.3167



89.1325, 0.3268, 0.3343

Complementary

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



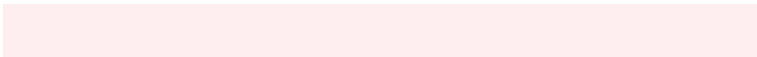
89.1325, 0.3073, 0.3361



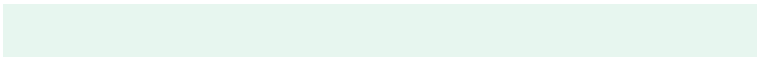
82.9300, 0.3185, 0.3220

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.



89.1325, 0.3240, 0.3280



89.1325, 0.3073, 0.3361



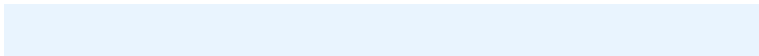
89.1325, 0.3108, 0.3180

Square

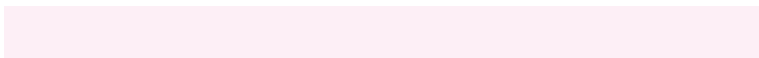
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



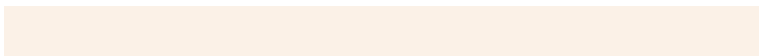
89.1325, 0.3073, 0.3361



89.1325, 0.2998, 0.3187



89.1325, 0.3181, 0.3221



89.1325, 0.3258, 0.3393

Rectangle

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



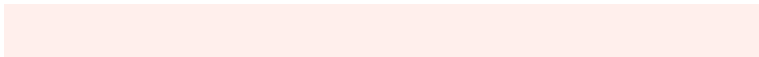
89.1325, 0.3073, 0.3361



89.1325, 0.2994, 0.3255



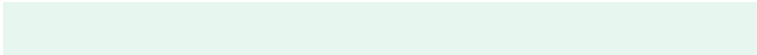
89.1325, 0.3181, 0.3221



89.1325, 0.3262, 0.3323

Sweetspot

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



89.1363, 0.3073, 0.3361



98.8930, 0.3109, 0.3313



89.9050, 0.3167, 0.3441



21.1788, 0.3110, 0.3312



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.



89.1363, 0.3073, 0.3361



96.2447, 0.3065, 0.3372



89.4064, 0.3032, 0.3287



18.8061, 0.3060, 0.3379



36.0850, 0.2693, 0.4896



3.1923, 0.2633, 0.4678

Inverse Universe

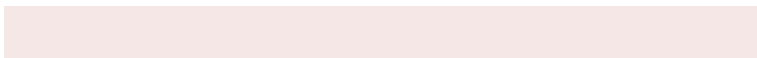
The Inverse Universe completely reimagines the original color for something new.



82.9300, 0.3185, 0.3220



88.5379, 0.3194, 0.3209



82.6663, 0.3230, 0.3293



17.1785, 0.3200, 0.3202



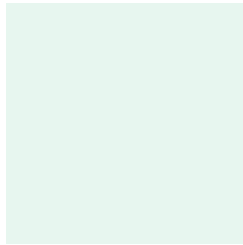
11.1459, 0.5099, 0.2583



1.0002, 0.4801, 0.2418

Previews

White Background



This preview shows how the Yxy color 89.1325, 0.3073, 0.3361 looks on a white background.

Color Contrast Check

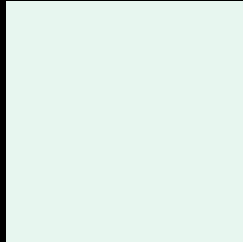
Large Text (above 18pt) WCAG AA × Fail

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 89.1325, 0.3073, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

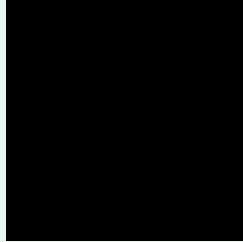
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

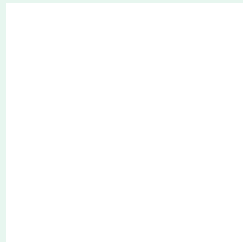
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1325, 0.3073, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 89.1325, 0.3073, 0.3361.

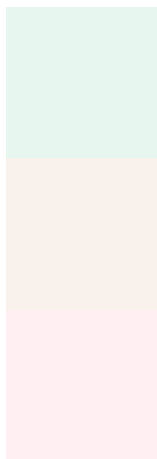


This preview shows how white text looks on a background with the Yxy color 89.1325, 0.3073, 0.3361.

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

89.1325, 0.3073, 0.3361

Protanopia

88.9232, 0.3204, 0.3340

Deuteranopia

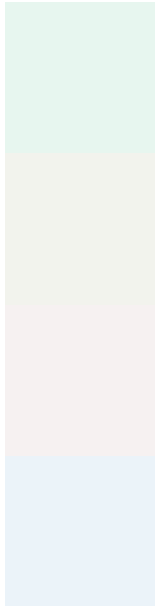
88.8199, 0.3216, 0.3251



Tritanopia

88.7288, 0.3018, 0.3161

Trichromacy



Original Color

89.1325, 0.3073, 0.3361

Protanomaly

89.0929, 0.3157, 0.3350

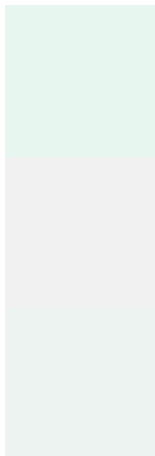
Deuteranomaly

88.8543, 0.3160, 0.3290

Tritanomaly

88.6029, 0.3040, 0.3230

Monochromacy



Original Color

89.1325, 0.3073, 0.3361

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.3970, 0.3106, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1325, 0.3073, 0.3361 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(231, 246, 239)` looks like.

```
.text, #text, p{  
    color:rgb(231, 246, 239)  
}
```

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(231, 246, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 246, 239) }
```

Border

The CSS property to change the border of an element to Yxy 89.1325, 0.3073, 0.3361 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(231, 246, 239) }
```

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

```
.border{ border-color:rgb(231, 246, 239) }
```

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

Here you see how a box with a 4 pixel rgb(231, 246, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 246, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 246, 239);  
box-shadow:4px 4px 4px 4px rgb(231, 246,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1325, 0.3073, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 246, 239) }
```

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

```
.background{ background-color: rgb(231,  
246, 239) }
```

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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