

Converting Colors

$Yxy(86.6040, 0.3039, 0.3266)$

Have a look what the booklet for
Yxy(86.6040, 0.3039, 0.3266)
contains.

Yxy(86.8589, 0.3038, 0.3269)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.8589, 0.3038, 0.3269)

Conversions

Conversions Part 1

Format	Color
Hex	E6F2F4
RGB	230, 242, 244
RGB Percent	90%, 95%, 96%
CMY	0.0980, 0.0510, 0.0430
CMYK	0.06, 0.01, 0.00, 0.04
HSL	189°, 39%, 93%
HSV	189°, 6%, 96%
XYZ	80.7211, 86.8589, 98.1248
YIQ	238.6400, -7.7940, -1.9220

Conversions

Conversions Part 2

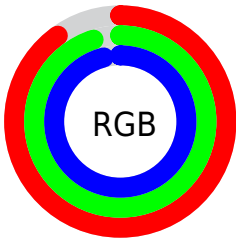
Format	Color
R _Y B	230, 236, 244
Decimal	15135476
CIE Lab	94.68, -3.56, -2.36
CIE LCh	95, 4.272, 213.507
Yxy	86.8589, 0.3038, 0.3269
Android (android.graphics.Color)	4293325556 (0xFFE6F2F4)
YUV	238.6400, 2.6425, -7.5773
Hunter-Lab	93.1981, -8.4936, 2.8145

Details

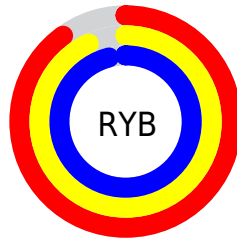
The Yxy color **86.8589, 0.3038, 0.3269** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.6938, 0.3222, 0.3311**, and the grayscale version is **86.0108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7473, 0.3014, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **81.0151, 0.2886, 0.3230**, and if you desaturate by 10%, it is **93.3161, 0.3194, 0.3305**.

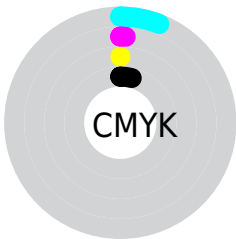
Distribution



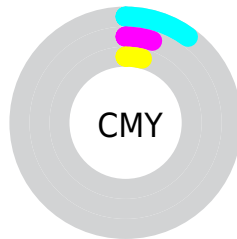
- Red (90%)
- Green (95%)
- Blue (96%)



- Red (90%)
- Yellow (93%)
- Blue (96%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)





- Cyan (10%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8589, 0.3038, 0.3269 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 86.8589, 0.3038, 0.3269 by changing the saturation by 10% instead.


 86.8589, 0.3038,
0.3269

 86.8589, 0.3038,
0.3269


517.7591, 0.3078,
0.3279

 65.3784, 0.3029,
0.3267


142.9675, 0.3052,
0.3272

 47.7680, 0.3018,
0.3264


178.3643, 0.3057,
0.3274

 33.6432, 0.3005,
0.3261


219.1688, 0.3062,
0.3275

 22.6196, 0.2988,
0.3256

265.7653, 0.3066,
0.3276

 14.3129, 0.2965,
0.3251

318.5382, 0.3069,
0.3277

 8.3386, 0.2933,
0.3242

377.8719, 0.3072,

 4.3124, 0.2887,

0.3277

0.3230

444.1507, 0.3075,
0.3278

■ 1.8498, 0.2810,
0.3208

■ 0.5179, 0.2453,
0.3135

■ 86.8589, 0.3038,
0.3269

■ 86.8589, 0.3038,
0.3269

■ 81.0151, 0.2886,
0.3230

■ 93.3161, 0.3194,
0.3305

■ 75.7500, 0.2740,
0.3187

■ 95.5968, 0.3195,
0.3339

■ 71.0422, 0.2604,
0.3141

■ 97.8084, 0.3192,
0.3373

■ 66.8645, 0.2480,
0.3093

■ 99.3137, 0.3191,
0.3395

■ 63.1874, 0.2372,
0.3043

■ 59.9780, 0.2281,
0.2991

■ 57.1994, 0.2210,
0.2939

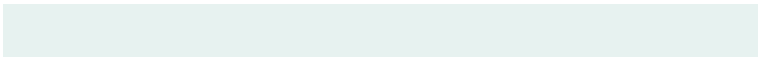
■ 54.8084, 0.2159,
0.2887

■ 52.7519, 0.2126,
0.2836

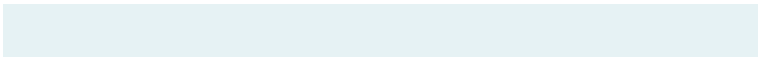
Harmonies

Analogous

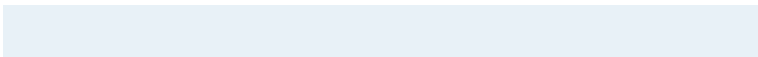
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8589, 0.3065, 0.3313



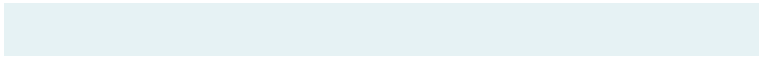
86.8589, 0.3038, 0.3269



86.8589, 0.3035, 0.3231

Triad

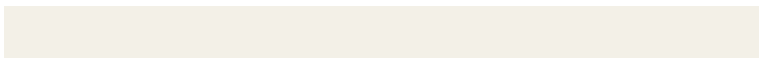
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8589, 0.3038, 0.3269



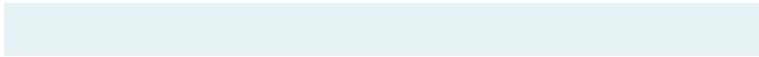
86.8589, 0.3145, 0.3231



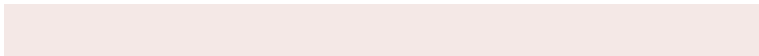
86.8589, 0.3199, 0.3371

Complementary

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



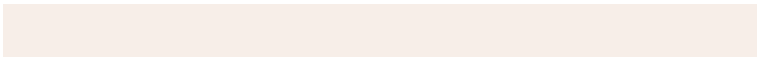
86.8589, 0.3038, 0.3269



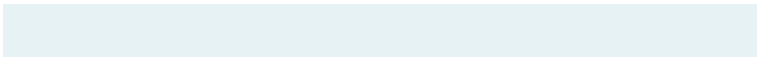
82.6938, 0.3222, 0.3311

Split Complementary

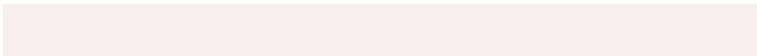
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8589, 0.3221, 0.3348



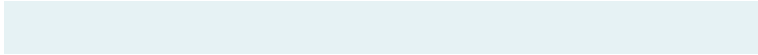
86.8589, 0.3038, 0.3269



86.8589, 0.3190, 0.3267

Square

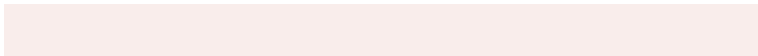
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8589, 0.3038, 0.3269



86.8589, 0.3096, 0.3210



86.8589, 0.3217, 0.3310



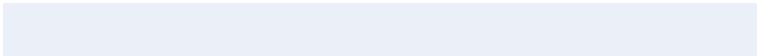
86.8589, 0.3158, 0.3372

Rectangle

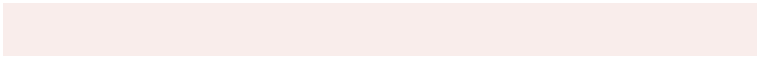
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



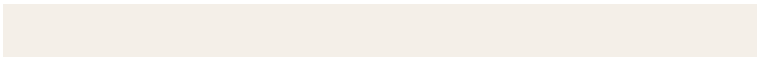
86.8589, 0.3038, 0.3269



86.8589, 0.3046, 0.3215



86.8589, 0.3217, 0.3310



86.8589, 0.3209, 0.3366

Sweetspot

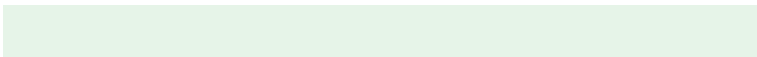
The Sweet Spot groups the original color and five complimentary colors.



86.8626, 0.3038, 0.3269



98.5741, 0.3096, 0.3283



87.3667, 0.3109, 0.3415



21.1139, 0.3098, 0.3283



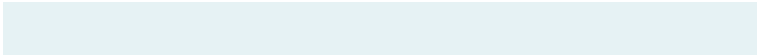
0.0000, 0.0000, 0.0000



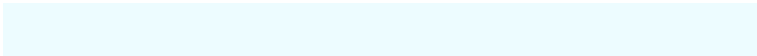
21.4041, 0.3127, 0.3290

Same Dimension

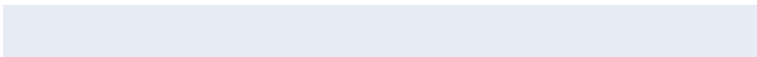
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8626, 0.3038, 0.3269



95.1283, 0.3018, 0.3264



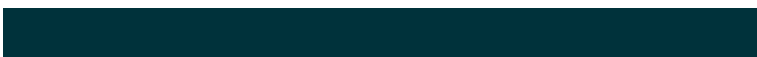
82.8641, 0.3039, 0.3199



18.5694, 0.3010, 0.3262



28.3921, 0.2117, 0.2823



2.6050, 0.2135, 0.2887

Inverse Universe

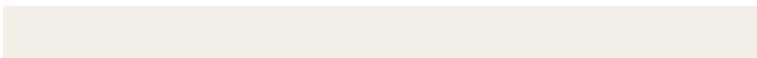
The Inverse Universe completely reimagines the original color for something new.



82.2511, 0.3147, 0.3170



88.9695, 0.3151, 0.3143



86.6237, 0.3216, 0.3380



17.2698, 0.3153, 0.3131



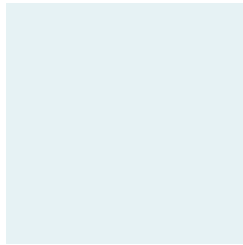
12.9656, 0.3614, 0.1764



1.1506, 0.3555, 0.1732

Previews

White Background



This preview shows how the Yxy color 86.8589, 0.3038, 0.3269 looks on a white background.

Color Contrast Check

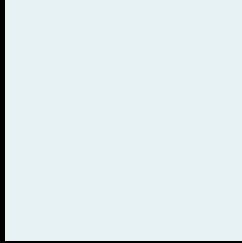
Large Text (above 18pt) WCAG AA × Fail

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 86.8589, 0.3038, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

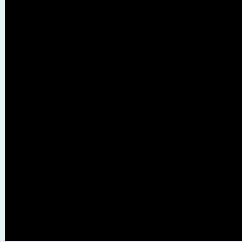
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

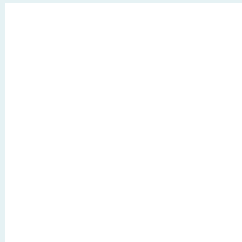
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8589, 0.3038, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 86.8589, 0.3038, 0.3269.

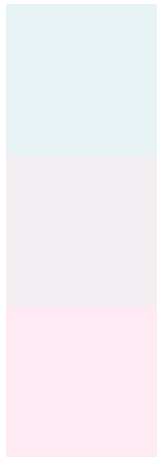


This preview shows how white text looks on a background with the Yxy color 86.8589, 0.3038, 0.3269.

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

86.8589, 0.3038, 0.3269

Protanopia

86.6146, 0.3136, 0.3250

Deuteranopia

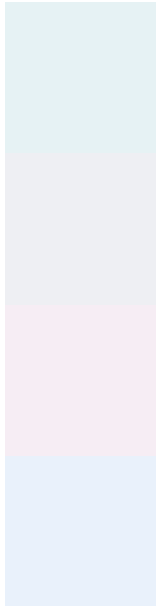
86.6373, 0.3206, 0.3193



Tritanopia

87.0326, 0.2999, 0.3140

Trichromacy



Original Color

86.8589, 0.3038, 0.3269

Protanomaly

86.3812, 0.3096, 0.3250

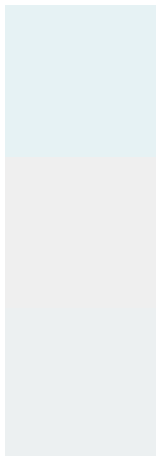
Deuteranomaly

86.6929, 0.3144, 0.3221

Tritanomaly

87.1993, 0.3016, 0.3189

Monochromacy



Original Color

86.8589, 0.3038, 0.3269

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5039, 0.3095, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8589, 0.3038, 0.3269 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(230, 242, 244)` looks like.

```
.text, #text, p{  
    color:rgb(230, 242, 244)  
}
```

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(230, 242, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 242, 244) }
```

Border

The CSS property to change the border of an element to Yxy 86.8589, 0.3038, 0.3269 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(230, 242, 244) }
```

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

```
.border{ border-color:rgb(230, 242, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 242, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 242, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 242, 244);  
box-shadow:4px 4px 4px 4px rgb(230, 242,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8589, 0.3038, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 242, 244) }
```

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

```
.background{ background-color: rgb(230,  
242, 244) }
```

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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