

Converting Colors

$Yxy(86.5889, 0.3022, 0.3196)$

Have a look what the booklet for
Yxy(86.5889, 0.3022, 0.3196)
contains.

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Color

Yxy(86.5459, 0.3022, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	E9F0FA
RGB	233, 240, 250
RGB Percent	91%, 94%, 98%
CMY	0.0864, 0.0588, 0.0196
CMYK	0.07, 0.04, 0.00, 0.02
HSL	215°, 63%, 95%
HSV	215°, 7%, 98%
XYZ	82.0137, 86.5459, 102.8292
YIQ	239.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

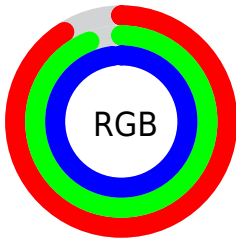
Format	Color
R _Y B	233, 238, 250
Decimal	15331578
CIE Lab	94.55, -0.47, -5.63
CIE LCh	95, 5.647, 265.179
Yxy	86.5459, 0.3022, 0.3189
Android (android.graphics.Color)	4293521658 (0xFFE9F0FA)
YUV	239.0470, 5.3998, -5.3032
Hunter-Lab	93.0300, -5.4400, -0.4142

Details

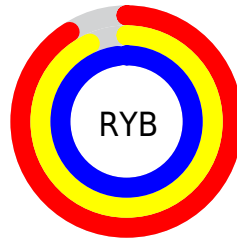
The Yxy color **86.5459, 0.3022, 0.3189** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.2896, 0.3234, 0.3389**, and the grayscale version is **86.3162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5231, 0.2993, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **74.3446, 0.2860, 0.3026**, and if you desaturate by 10%, it is **99.4802, 0.3156, 0.3335**.

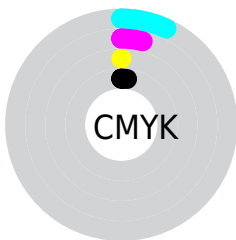
Distribution



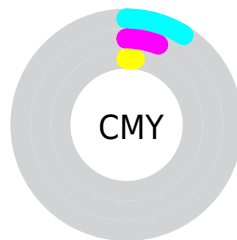
- Red (91%)
- Green (94%)
- Blue (98%)



- Red (91%)
- Yellow (93%)
- Blue (98%)



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



- Cyan (9%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5459, 0.3022, 0.3189 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 86.5459, 0.3022, 0.3189 by changing the saturation by 10% instead.

86.5459, 0.3022,
0.3189

86.5459, 0.3022,
0.3189

516.7295, 0.3069,
0.3234

65.1195, 0.3012,
0.3179

142.5310, 0.3038,
0.3204

47.5580, 0.2999,
0.3167

177.8585, 0.3044,
0.3211

33.4770, 0.2983,
0.3151

218.5885, 0.3050,
0.3216

22.4921, 0.2963,
0.3132

265.1054, 0.3055,
0.3220

14.2189, 0.2936,
0.3106

317.7935, 0.3059,
0.3225

8.2731, 0.2898,
0.3069

377.0373, 0.3063,

4.2702, 0.2843,

0.3228

0.3015

443.2212, 0.3066,
0.3231

■ 1.8258, 0.2752,
0.2927

■ 0.5032, 0.2442,
0.2633

■ 86.5459, 0.3022,
0.3189

■ 86.5459, 0.3022,
0.3189

■ 74.3446, 0.2860,
0.3026

■ 99.4802, 0.3156,
0.3335

■ 63.3926, 0.2691,
0.2844

■ 99.6826, 0.3156,
0.3338

■ 53.6500, 0.2519,
0.2645

■ 45.0700, 0.2347,
0.2430

■ 37.6029, 0.2181,
0.2205

■ 31.1943, 0.2028,
0.1974

■ 25.7844, 0.1895,
0.1745

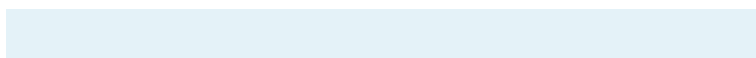
■ 21.3053, 0.1787,
0.1528

■ 17.6755, 0.1707,
0.1328

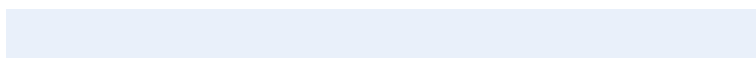
Harmonies

Analogous

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



86.5459, 0.3003, 0.3224



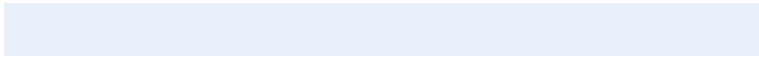
86.5459, 0.3022, 0.3189



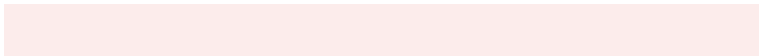
86.5459, 0.3069, 0.3181

Triad

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



86.5459, 0.3022, 0.3189



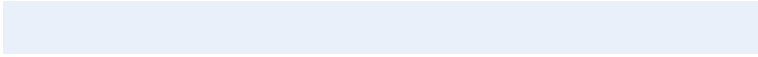
86.5459, 0.3239, 0.3301



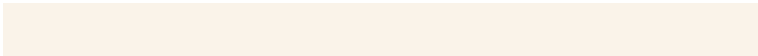
86.5459, 0.3121, 0.3381

Complementary

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



86.5459, 0.3022, 0.3189



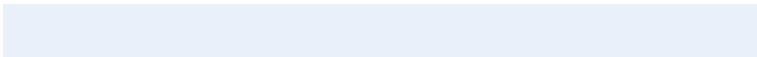
90.2896, 0.3234, 0.3389

Split Complementary

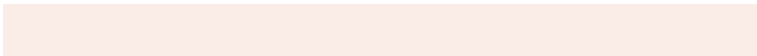
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5459, 0.3185, 0.3402



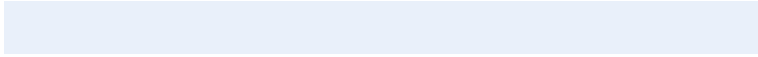
86.5459, 0.3022, 0.3189



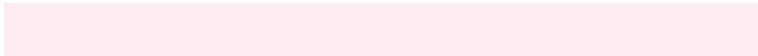
86.5459, 0.3253, 0.3354

Square

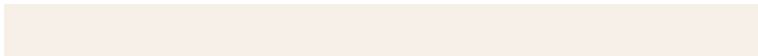
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



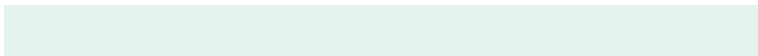
86.5459, 0.3022, 0.3189



86.5459, 0.3195, 0.3245



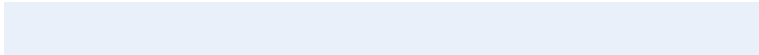
86.5459, 0.3233, 0.3392



86.5459, 0.3059, 0.3336

Rectangle

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



86.5459, 0.3022, 0.3189



86.5459, 0.3111, 0.3192



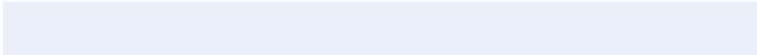
86.5459, 0.3233, 0.3392



86.5459, 0.3143, 0.3391

Sweetspot

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



86.5496, 0.3022, 0.3189



97.1510, 0.3097, 0.3261



92.1605, 0.3062, 0.3361



20.8242, 0.3098, 0.3263



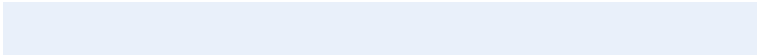
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



86.5496, 0.3022, 0.3189



88.9331, 0.3003, 0.3170



82.7252, 0.3032, 0.3118



17.8212, 0.2979, 0.3147



9.1062, 0.1694, 0.1299



1.0468, 0.1759, 0.1533

Inverse Universe

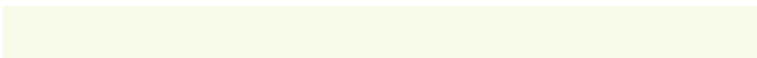
The Inverse Universe completely reimagines the original color for something new.



84.8808, 0.3198, 0.3221



86.9207, 0.3212, 0.3208



94.3212, 0.3219, 0.3458



17.3442, 0.3229, 0.3192



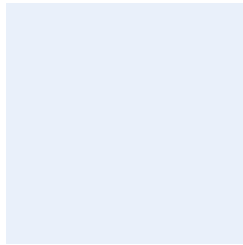
11.3302, 0.5328, 0.2709



1.0699, 0.5017, 0.2537

Previews

White Background



This preview shows how the Yxy color 86.5459, 0.3022, 0.3189 looks on a white background.

Color Contrast Check

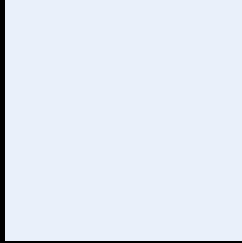
Large Text (above 18pt) WCAG AA × Fail

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 86.5459, 0.3022, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

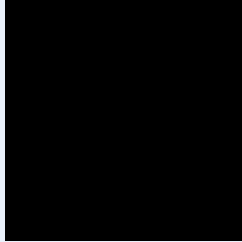
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

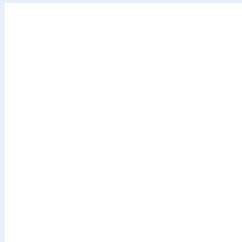
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5459, 0.3022, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 86.5459, 0.3022, 0.3189.



This preview shows how white text looks on a background with the Yxy color 86.5459, 0.3022, 0.3189.

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

86.5459, 0.3022, 0.3189

Protanopia

86.6894, 0.3080, 0.3180

Deuteranopia

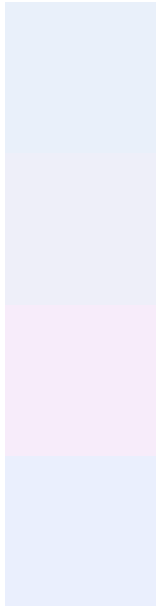
86.4400, 0.3168, 0.3125



Tritanopia

86.6152, 0.3006, 0.3130

Trichromacy



Original Color

86.5459, 0.3022, 0.3189

Protanomaly

86.7497, 0.3060, 0.3190

Deuteranomaly

86.6672, 0.3114, 0.3152

Tritanomaly

86.3173, 0.3011, 0.3149

Monochromacy



Original Color

86.5459, 0.3022, 0.3189

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.2086, 0.3090, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5459, 0.3022, 0.3189 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(233, 240, 250)` looks like.

```
.text, #text, p{  
    color:rgb(233, 240, 250)  
}
```

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(233, 240, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 240, 250) }
```

Border

The CSS property to change the border of an element to Yxy 86.5459, 0.3022, 0.3189 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(233, 240, 250) }
```

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

```
.border{ border-color:rgb(233, 240, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 240, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 240, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 240, 250);  
box-shadow:4px 4px 4px 4px rgb(233, 240,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5459, 0.3022, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 240, 250) }
```

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

```
.background{ background-color: rgb(233,  
240, 250) }
```

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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