

Converting Colors

Yxy(86.4484, 0.2965, 0.3216)

Have a look what the booklet for
Yxy(86.4484, 0.2965, 0.3216)
contains.

Yxy(86.2537, 0.2966, 0.3208)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.2537, 0.2966, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	E0F2FA
RGB	224, 242, 250
RGB Percent	88%, 95%, 98%
CMY	0.1215, 0.0510, 0.0197
CMYK	0.10, 0.03, 0.00, 0.02
HSL	198°, 72%, 93%
HSV	198°, 10%, 98%
XYZ	79.7470, 86.2537, 102.8699
YIQ	237.5300, -13.2960, -1.3280

Conversions

Conversions Part 2

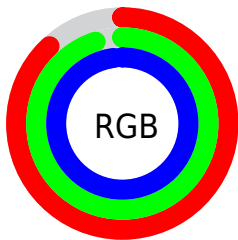
Format	Color
R_{YB}	224, 235, 250
Decimal	14742266
CIE _{Lab}	94.42, -4.36, -5.87
CIE _{LCh}	94, 7.313, 233.360
Yxy	86.2537, 0.2966, 0.3208
Android (android.graphics.Color)	4292932346 (0xFFE0F2FA)
YUV	237.5300, 6.1477, -11.8658
Hunter-Lab	92.8729, -9.2552, -0.6611

Details

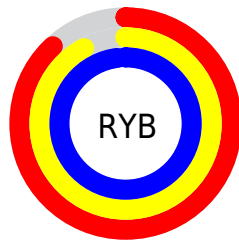
The Yxy color $86.2537, 0.2966, 0.3208$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $83.4070, 0.3303, 0.3371$, and the grayscale version is $85.0798, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.4479, 0.2930, 0.3184$ is the 20% darker color. If you saturate the color by 10%, you get $78.0782, 0.2811, 0.3121$, and if you desaturate by 10%, it is $95.2154, 0.3121, 0.3287$.

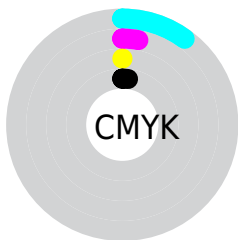
Distribution



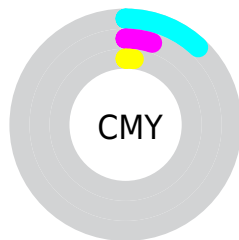
- Red (88%)
- Green (95%)
- Blue (98%)



- Red (88%)
- Yellow (92%)
- Blue (98%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (12%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2537, 0.2966, 0.3208 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 86.2537, 0.2966, 0.3208 by changing the saturation by 10% instead.

86.2537, 0.2966,
0.3208

86.2537, 0.2966,
0.3208

515.7674, 0.3038,
0.3245

64.8778, 0.2950,
0.3200

142.1235, 0.2991,
0.3221

47.3620, 0.2931,
0.3189

177.3861, 0.3000,
0.3226

33.3219, 0.2907,
0.3177

218.0464, 0.3009,
0.3230

22.3732, 0.2876,
0.3160

264.4889, 0.3016,
0.3234

14.1314, 0.2835,
0.3138

317.0978, 0.3022,
0.3237

8.2121, 0.2778,
0.3107

376.2576, 0.3028,

4.2310, 0.2695,

0.3240

0.3060

442.3526, 0.3033,
0.3243

■ 1.8036, 0.2559,
0.2980

■ 0.4894, 0.2002,
0.2732

■ 86.2537, 0.2966,
0.3208

■ 86.2537, 0.2966,
0.3208

■ 78.0782, 0.2811,
0.3121

■ 95.2154, 0.3121,
0.3287

■ 70.6501, 0.2659,
0.3025

■ 99.6809, 0.3156,
0.3338

■ 63.9435, 0.2513,
0.2923

■ 57.9261, 0.2377,
0.2813

■ 52.5629, 0.2255,
0.2699

■ 47.8151, 0.2150,
0.2582

■ 43.6383, 0.2064,
0.2464

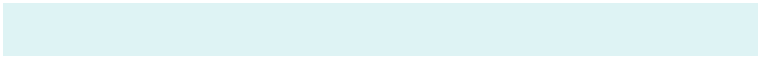
■ 39.9802, 0.2000,
0.2346

■ 36.8729, 0.1954,
0.2235

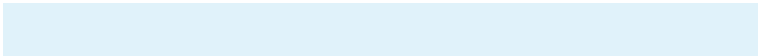
Harmonies

Analogous

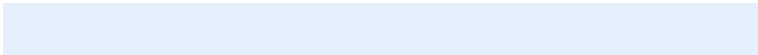
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2537, 0.2986, 0.3279



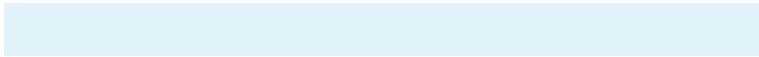
86.2537, 0.2966, 0.3208



86.2537, 0.2988, 0.3161

Triad

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



86.2537, 0.2966, 0.3208



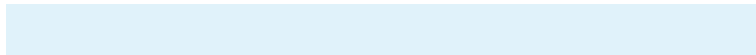
86.2537, 0.3211, 0.3228



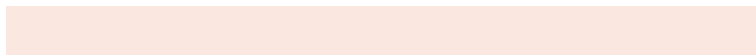
86.2537, 0.3206, 0.3435

Complementary

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



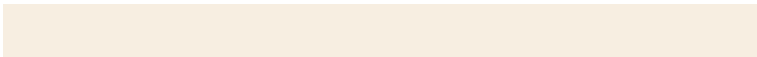
86.2537, 0.2966, 0.3208



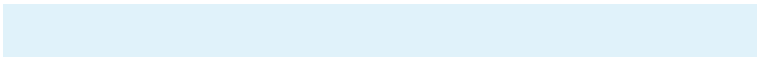
83.4070, 0.3303, 0.3371

Split Complementary

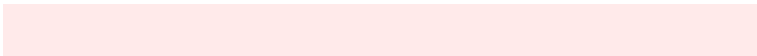
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2537, 0.3267, 0.3419



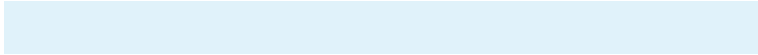
86.2537, 0.2966, 0.3208



86.2537, 0.3270, 0.3299

Square

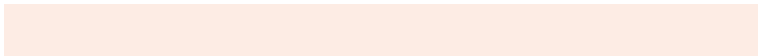
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2537, 0.2966, 0.3208



86.2537, 0.3129, 0.3173



86.2537, 0.3291, 0.3369



86.2537, 0.3124, 0.3411

Rectangle

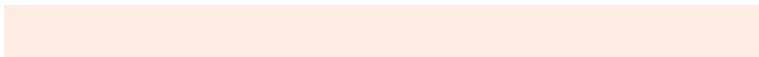
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2537, 0.2966, 0.3208



86.2537, 0.3025, 0.3148



86.2537, 0.3291, 0.3369



86.2537, 0.3230, 0.3434

Sweetspot

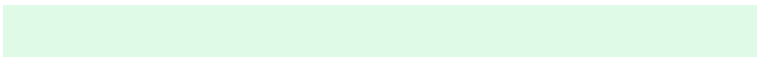
The Sweet Spot groups the original color and five complimentary colors.



86.2573, 0.2966, 0.3208



97.0883, 0.3081, 0.3267



90.0224, 0.3070, 0.3478



20.6170, 0.3068, 0.3261



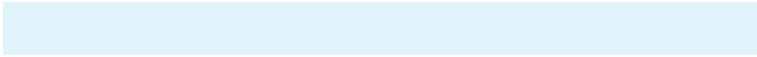
0.0000, 0.0000, 0.0000



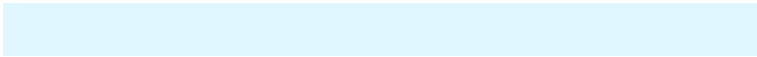
21.4041, 0.3127, 0.3290

Same Dimension

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



86.2573, 0.2966, 0.3208



88.8022, 0.2941, 0.3194



78.9014, 0.2964, 0.3075



18.6564, 0.2980, 0.3215



19.8288, 0.1960, 0.2254



2.0241, 0.1998, 0.2393

Inverse Universe

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



80.0482, 0.3191, 0.3111



81.4161, 0.3202, 0.3083



90.8779, 0.3288, 0.3497



17.4285, 0.3185, 0.3127



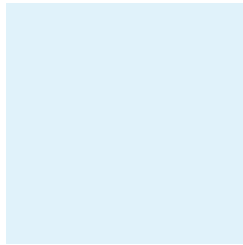
12.4126, 0.4174, 0.2073



1.1686, 0.4030, 0.1994

Previews

White Background



This preview shows how the Yxy color 86.2537, 0.2966, 0.3208 looks on a white background.

Color Contrast Check

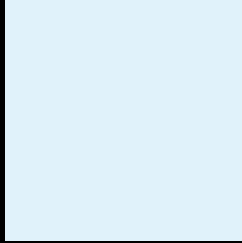
Large Text (above 18pt) WCAG AA × Fail

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 86.2537, 0.2966, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

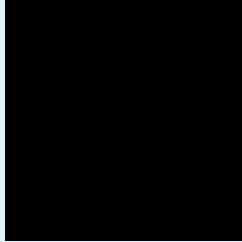
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

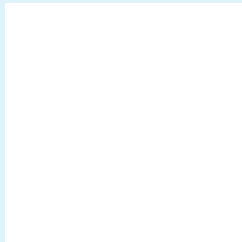
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2537, 0.2966, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 86.2537, 0.2966, 0.3208.



This preview shows how white text looks on a background with the Yxy color 86.2537, 0.2966, 0.3208.

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

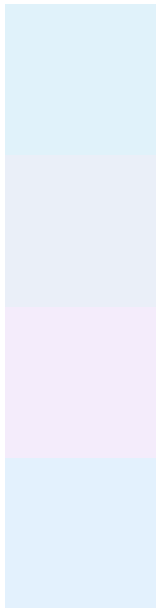




Tritanopia

86.1982, 0.2968, 0.3138

Trichromacy



Original Color

86.2537, 0.2966, 0.3208

Protanomaly

86.0027, 0.3040, 0.3199

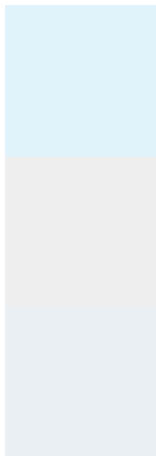
Deuteranomaly

86.1890, 0.3088, 0.3142

Tritanomaly

86.3333, 0.2967, 0.3168

Monochromacy



Original Color

86.2537, 0.2966, 0.3208

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.4674, 0.3070, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2537, 0.2966, 0.3208 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(224, 242, 250)` looks like.

```
.text, #text, p{  
    color:rgb(224, 242, 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(224, 242, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 242, 250) }
```

Border

The CSS property to change the border of an element to Yxy 86.2537, 0.2966, 0.3208 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(224, 242, 250) }
```

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

```
.border{ border-color:rgb(224, 242, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 242, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 242, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 242, 250);  
box-shadow:4px 4px 4px 4px rgb(224, 242,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2537, 0.2966, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 242, 250) }
```

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

```
.background{ background-color: rgb(224,  
242, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor