

Converting Colors

Yxy(86.8823, 0.2975, 0.3187)

Have a look what the booklet for
Yxy(86.8823, 0.2975, 0.3187)
contains.

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Color

Yxy(86.8634, 0.2973, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	E3F2FC
RGB	227, 242, 252
RGB Percent	89%, 95%, 99%
CMY	0.1098, 0.0510, 0.0117
CMYK	0.10, 0.04, 0.00, 0.01
HSL	204°, 81%, 94%
HSV	204°, 10%, 99%
XYZ	81.0053, 86.8634, 104.6012
YIQ	238.6550, -12.1500, -0.0700

Conversions

Conversions Part 2

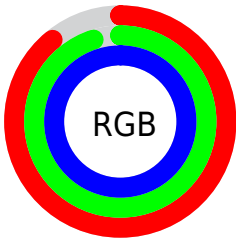
Format	Color
R _Y B	227, 236, 252
Decimal	14938876
CIE Lab	94.68, -3.02, -6.52
CIE LCh	95, 7.179, 245.162
Yxy	86.8634, 0.2973, 0.3188
Android (android.graphics.Color)	4293128956 (0xFFE3F2FC)
YUV	238.6550, 6.5791, -10.2214
Hunter-Lab	93.2005, -7.9576, -1.3022

Details

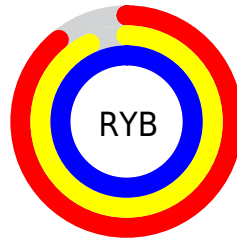
The Yxy color **86.8634, 0.2973, 0.3188** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8270, 0.3292, 0.3390**, and the grayscale version is **85.9935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8286, 0.2946, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **77.2215, 0.2815, 0.3074**, and if you desaturate by 10%, it is **97.4439, 0.3128, 0.3291**.

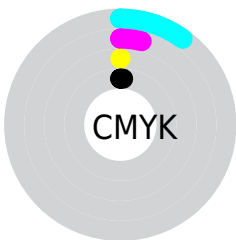
Distribution



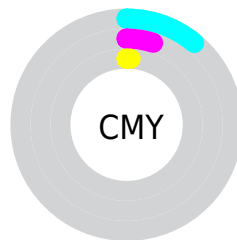
- Red (89%)
- Green (95%)
- Blue (99%)



- Red (89%)
- Yellow (93%)
- Blue (99%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8634, 0.2973, 0.3188 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 86.8634, 0.2973, 0.3188 by changing the saturation by 10% instead.

86.8634, 0.2973,
0.3188

86.8634, 0.2973,
0.3188

517.7739, 0.3042,
0.3234

65.3822, 0.2958,
0.3178

142.9737, 0.2996,
0.3204

47.7710, 0.2939,
0.3165

178.3716, 0.3006,
0.3210

33.6456, 0.2916,
0.3150

219.1772, 0.3014,
0.3215

22.6215, 0.2887,
0.3129

265.7748, 0.3021,
0.3220

14.3143, 0.2848,
0.3103

318.5489, 0.3027,
0.3224

8.3396, 0.2794,
0.3065

377.8838, 0.3032,

4.3130, 0.2715,

0.3228

0.3009

444.1640, 0.3037,
0.3231

■ 1.8501, 0.2586,
0.2916

■ 0.5181, 0.2140,
0.2647

■ 86.8634, 0.2973,
0.3188

■ 86.8634, 0.2973,
0.3188

■ 77.2215, 0.2815,
0.3074

■ 97.4439, 0.3128,
0.3291

■ 68.4759, 0.2656,
0.2949

99.8091, 0.3144,
0.3318

■ 60.5972, 0.2501,
0.2813

■ 53.5495, 0.2353,
0.2668

■ 47.2941, 0.2217,
0.2515

■ 41.7882, 0.2097,
0.2359

■ 36.9834, 0.1997,
0.2201

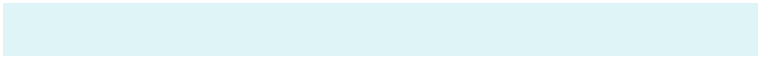
■ 32.8232, 0.1918,
0.2046

■ 29.2192, 0.1860,
0.1896

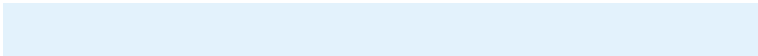
Harmonies

Analogous

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



86.8634, 0.2976, 0.3250



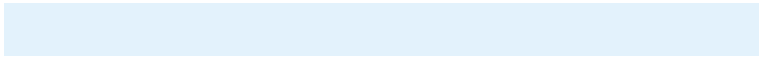
86.8634, 0.2973, 0.3188



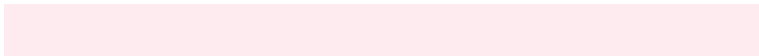
86.8634, 0.3010, 0.3154

Triad

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



86.8634, 0.2973, 0.3188



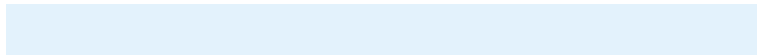
86.8634, 0.3236, 0.3256



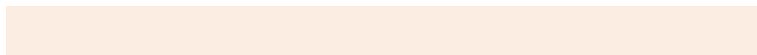
86.8634, 0.3174, 0.3428

Complementary

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



86.8634, 0.2973, 0.3188



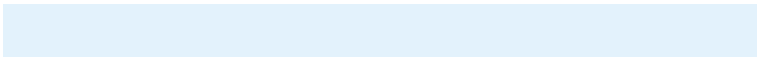
86.8270, 0.3292, 0.3390

Split Complementary

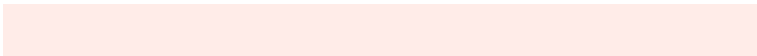
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8634, 0.3245, 0.3427



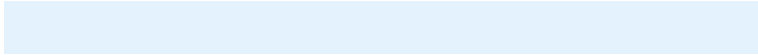
86.8634, 0.2973, 0.3188



86.8634, 0.3281, 0.3327

Square

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



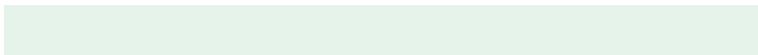
86.8634, 0.2973, 0.3188



86.8634, 0.3162, 0.3194



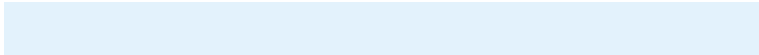
86.8634, 0.3284, 0.3390



86.8634, 0.3092, 0.3390

Rectangle

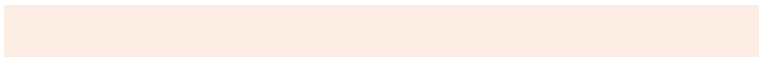
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8634, 0.2973, 0.3188



86.8634, 0.3054, 0.3152



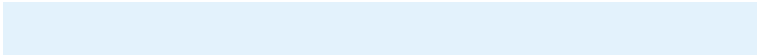
86.8634, 0.3284, 0.3390



86.8634, 0.3200, 0.3432

Sweetspot

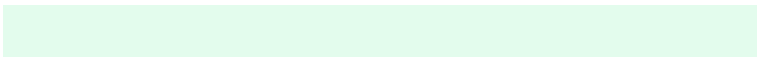
The Sweet Spot groups the original color and five complimentary colors.



86.8670, 0.2973, 0.3188



96.6388, 0.3081, 0.3260



92.0767, 0.3058, 0.3443



20.4956, 0.3069, 0.3252



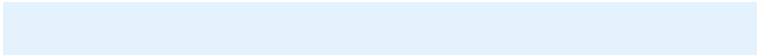
0.0000, 0.0000, 0.0000



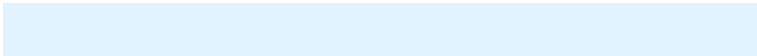
21.4041, 0.3127, 0.3290

Same Dimension

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



86.8670, 0.2973, 0.3188



87.0805, 0.2940, 0.3165



79.6851, 0.2972, 0.3059



18.3741, 0.2980, 0.3193



15.5011, 0.1867, 0.1920



1.6431, 0.1917, 0.2100

Inverse Universe

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



82.0540, 0.3203, 0.3142



81.2423, 0.3221, 0.3110



94.3131, 0.3278, 0.3511



17.4000, 0.3200, 0.3149



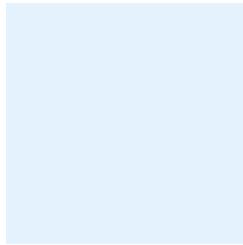
11.9758, 0.4545, 0.2277



1.1301, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 86.8634, 0.2973, 0.3188 looks on a white background.

Color Contrast Check

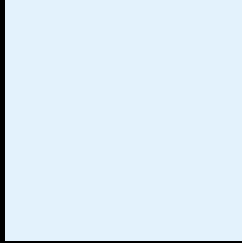
Large Text (above 18pt) WCAG AA × Fail

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 86.8634, 0.2973, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

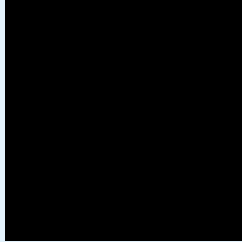
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

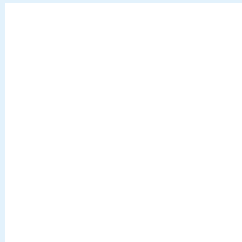
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8634, 0.2973, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 86.8634, 0.2973, 0.3188.

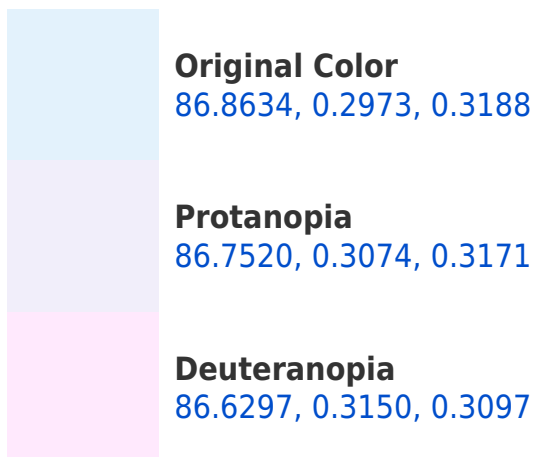


This preview shows how white text looks on a background with the Yxy color 86.8634, 0.2973, 0.3188.

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

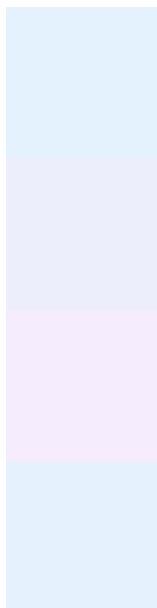




Tritanopia

86.5291, 0.2981, 0.3139

Trichromacy



Original Color

86.8634, 0.2973, 0.3188

Protanomaly

86.5309, 0.3036, 0.3170

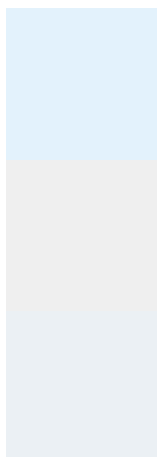
Deuteranomaly

86.4952, 0.3082, 0.3123

Tritanomaly

86.8893, 0.2980, 0.3159

Monochromacy



Original Color

86.8634, 0.2973, 0.3188

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5140, 0.3071, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8634, 0.2973, 0.3188 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(227, 242, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 242, 252)  
}
```

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(227, 242, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 242, 252) }
```

Border

The CSS property to change the border of an element to Yxy 86.8634, 0.2973, 0.3188 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(227, 242, 252) }
```

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

```
.border{ border-color:rgb(227, 242, 252) }
```

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

Here you see how a box with a 4 pixel rgb(227, 242, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 242, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 242, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 242,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8634, 0.2973, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 242, 252) }
```

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

```
.background{ background-color: rgb(227,  
242, 252) }
```

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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