

Converting Colors

$Yxy(87.5602, 0.2985, 0.3209)$

Have a look what the booklet for
Yxy(87.5602, 0.2985, 0.3209)
contains.

Yxy(87.5602, 0.2985, 0.3209)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.5602, 0.2985, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	E4F3FB
RGB	228, 243, 251
RGB Percent	89%, 95%, 98%
CMY	0.1060, 0.0470, 0.0158
CMYK	0.09, 0.03, 0.00, 0.02
HSL	201°, 74%, 94%
HSV	201°, 9%, 98%
XYZ	81.4482, 87.5602, 103.8498
YIQ	239.4270, -11.5080, -0.6920

Conversions

Conversions Part 2

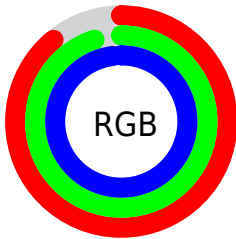
Format	Color
R _Y B	228, 237, 251
Decimal	15004667
CIE Lab	94.98, -3.43, -5.53
CIE LCh	95, 6.507, 238.236
Yxy	87.5602, 0.2985, 0.3209
Android (android.graphics.Color)	4293194747 (0xFFE4F3FB)
YUV	239.4270, 5.7055, -10.0215
Hunter-Lab	93.5736, -8.3842, -0.2997

Details

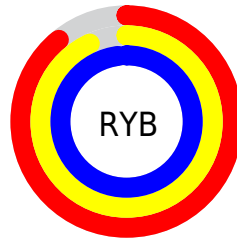
The Yxy color **87.5602, 0.2985, 0.3209** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0557, 0.3279, 0.3370**, and the grayscale version is **86.6263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3650, 0.2954, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **78.6780, 0.2829, 0.3112**, and if you desaturate by 10%, it is **97.2913, 0.3140, 0.3297**.

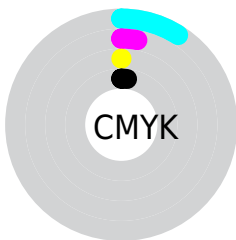
Distribution



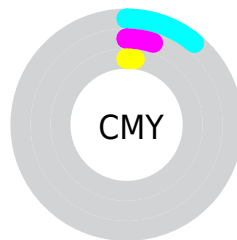
- Red (89%)
- Green (95%)
- Blue (98%)



- Red (89%)
- Yellow (93%)
- Blue (98%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)




- Cyan (11%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5602, 0.2985, 0.3209 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 87.5602, 0.2985, 0.3209 by changing the saturation by 10% instead.

 87.5602, 0.2985,
0.3209

 87.5602, 0.2985,
0.3209


520.0619, 0.3048,
0.3246

 65.9589, 0.2971,
0.3201


143.9447, 0.3007,
0.3222

 48.2390, 0.2954,
0.3191


179.4967, 0.3015,
0.3226

 34.0162, 0.2933,
0.3178


220.4677, 0.3022,
0.3231

 22.9061, 0.2906,
0.3162

267.2421, 0.3029,
0.3234

 14.5242, 0.2870,
0.3141

320.2044, 0.3035,
0.3238

 8.4861, 0.2821,
0.3111

379.7388, 0.3040,

 4.4075, 0.2748,

0.3241

0.3066

446.2299, 0.3044,
0.3243

■ 1.9041, 0.2630,
0.2992

■ 0.5508, 0.2225,
0.2785

■ 87.5602, 0.2985,
0.3209

■ 87.5602, 0.2985,
0.3209

■ 78.6780, 0.2829,
0.3112

■ 97.2913, 0.3140,
0.3297

■ 70.6049, 0.2673,
0.3005

■ 99.7432, 0.3150,
0.3328

■ 63.3135, 0.2523,
0.2889

■ 56.7708, 0.2381,
0.2766

■ 50.9407, 0.2251,
0.2636

■ 45.7833, 0.2138,
0.2503

■ 41.2534, 0.2045,
0.2368

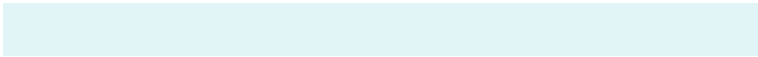
■ 37.2983, 0.1972,
0.2234

■ 33.8399, 0.1919,
0.2104

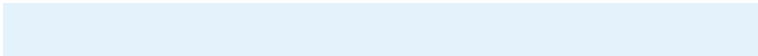
Harmonies

Analogous

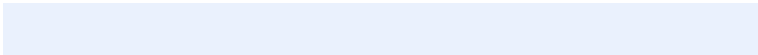
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5602, 0.2997, 0.3269



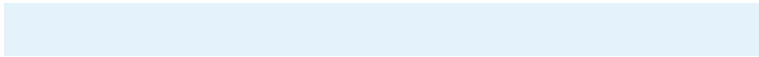
87.5602, 0.2985, 0.3209



87.5602, 0.3011, 0.3172

Triad

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



87.5602, 0.2985, 0.3209



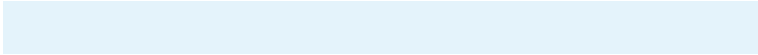
87.5602, 0.3211, 0.3245



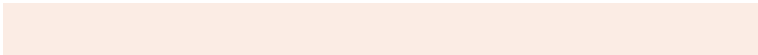
87.5602, 0.3186, 0.3418

Complementary

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



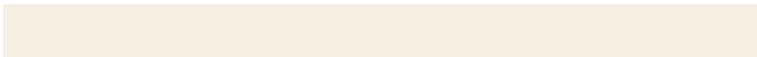
87.5602, 0.2985, 0.3209



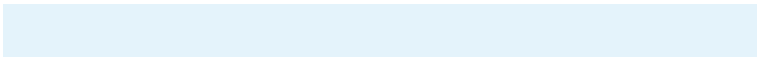
86.0557, 0.3279, 0.3370

Split Complementary

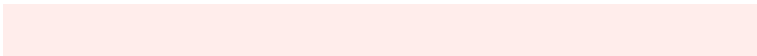
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5602, 0.3244, 0.3409



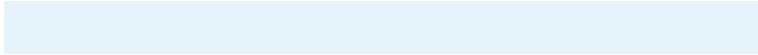
87.5602, 0.2985, 0.3209



87.5602, 0.3259, 0.3309

Square

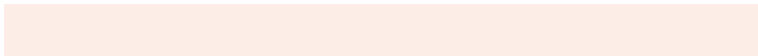
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



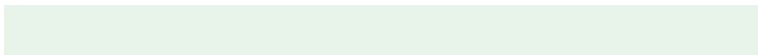
87.5602, 0.2985, 0.3209



87.5602, 0.3141, 0.3193



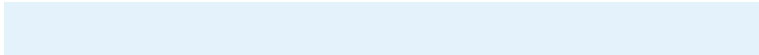
87.5602, 0.3272, 0.3369



87.5602, 0.3112, 0.3391

Rectangle

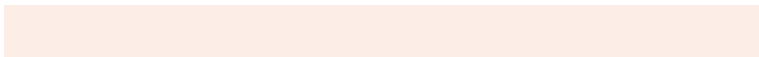
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5602, 0.2985, 0.3209



87.5602, 0.3046, 0.3164



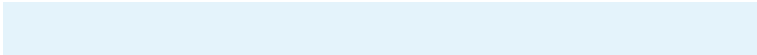
87.5602, 0.3272, 0.3369



87.5602, 0.3208, 0.3419

Sweetspot

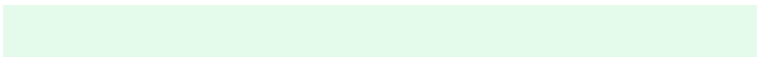
The Sweet Spot groups the original color and five complimentary colors.



87.5639, 0.2985, 0.3209



96.9008, 0.3081, 0.3264



91.5019, 0.3072, 0.3446



20.5664, 0.3068, 0.3257



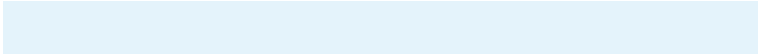
0.0000, 0.0000, 0.0000



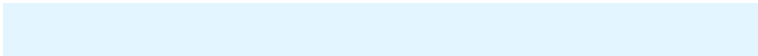
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5639, 0.2985, 0.3209



89.0265, 0.2956, 0.3192



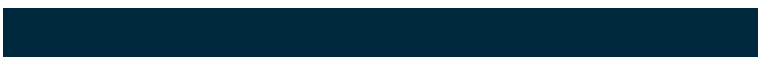
81.0589, 0.2984, 0.3094



18.5383, 0.2980, 0.3206



17.9302, 0.1921, 0.2115



1.8584, 0.1964, 0.2271

Inverse Universe

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



82.4496, 0.3189, 0.3142



82.7815, 0.3202, 0.3111



92.7105, 0.3268, 0.3479



17.4166, 0.3191, 0.3136



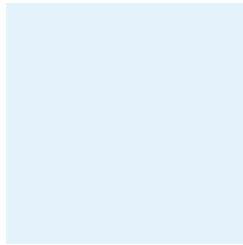
12.2210, 0.4325, 0.2156



1.1518, 0.4157, 0.2063

Previews

White Background



This preview shows how the Yxy color 87.5602, 0.2985, 0.3209 looks on a white background.

Color Contrast Check

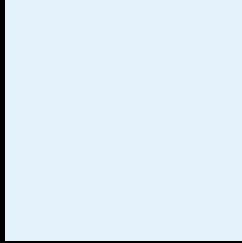
Large Text (above 18pt) WCAG AA × Fail

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 87.5602, 0.2985, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

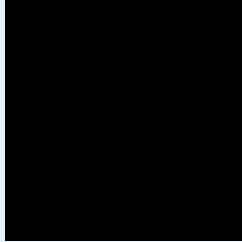
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

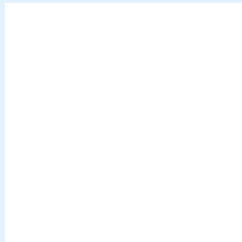
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5602, 0.2985, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 87.5602, 0.2985, 0.3209.

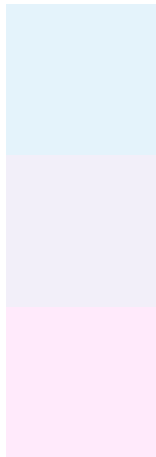


This preview shows how white text looks on a background with the Yxy color 87.5602, 0.2985, 0.3209.

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

87.5602, 0.2985, 0.3209

Protanopia

87.4498, 0.3086, 0.3191

Deuteranopia

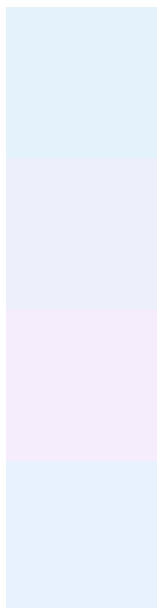
87.0707, 0.3162, 0.3126



Tritanopia

87.4542, 0.2993, 0.3150

Trichromacy



Original Color

87.5602, 0.2985, 0.3209

Protanomaly

87.2268, 0.3048, 0.3190

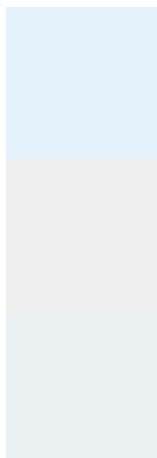
Deuteranomaly

86.9459, 0.3094, 0.3152

Tritanomaly

87.6489, 0.2986, 0.3169

Monochromacy



Original Color

87.5602, 0.2985, 0.3209

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4534, 0.3076, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5602, 0.2985, 0.3209 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(228, 243, 251)` looks like.

```
.text, #text, p{  
    color:rgb(228, 243, 251)  
}
```

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(228, 243, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 243, 251) }
```

Border

The CSS property to change the border of an element to Yxy 87.5602, 0.2985, 0.3209 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(228, 243, 251) }
```

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

```
.border{ border-color:rgb(228, 243, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 243, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 243, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 243, 251);  
box-shadow:4px 4px 4px 4px rgb(228, 243,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5602, 0.2985, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 243, 251) }
```

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

```
.background{ background-color: rgb(228,  
243, 251) }
```

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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