

Converting Colors

$Yxy(87.7119, 0.2949, 0.3172)$

Have a look what the booklet for
Yxy(87.7119, 0.2949, 0.3172)
contains.

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Color

Yxy(87.4899, 0.2950, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	E2F3FF
RGB	226, 243, 255
RGB Percent	89%, 95%, 100%
CMY	0.1137, 0.0471, 0.0000
CMYK	0.11, 0.05, 0.00, 0.00
HSL	205°, 100%, 94%
HSV	205°, 11%, 100%
XYZ	81.4694, 87.4899, 107.2083
YIQ	239.2850, -13.9840, 0.1280

Conversions

Conversions Part 2

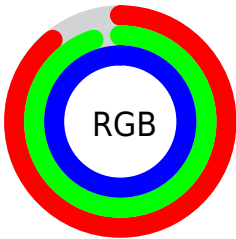
Format	Color
R_{YB}	226, 237, 255
Decimal	14873599
CIE _{Lab}	94.95, -3.26, -7.68
CIE _{LCh}	95, 8.345, 247.034
Yxy	87.4899, 0.2950, 0.3168
Android (android.graphics.Color)	4293063679 (0xFFE2F3FF)
YUV	239.2850, 7.7475, -11.6509
Hunter-Lab	93.5360, -8.2154, -2.4812

Details

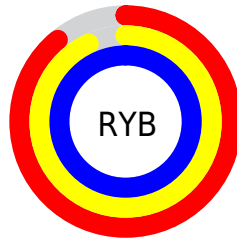
The Yxy color **87.4899, 0.2950, 0.3168** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.9117, 0.3317, 0.3409**, and the grayscale version is **86.5005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2758, 0.2917, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **77.5330, 0.2791, 0.3048**, and if you desaturate by 10%, it is **98.4293, 0.3106, 0.3276**.

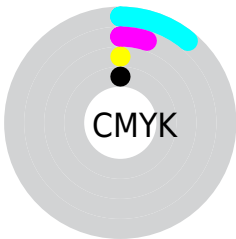
Distribution



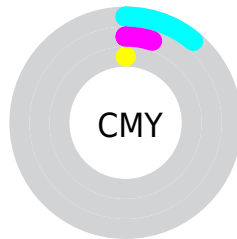
- Red (89%)
- Green (95%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4899, 0.2950, 0.3168 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 87.4899, 0.2950, 0.3168 by changing the saturation by 10% instead.


 87.4899, 0.2950,
0.3168

 87.4899, 0.2950,
0.3168

519.8313, 0.3029,
0.3223

 65.9007, 0.2933,
0.3156

143.8468, 0.2977,
0.3187

 48.1918, 0.2912,
0.3141


179.3833, 0.2987,
0.3194

 33.9788, 0.2885,
0.3122


220.3376, 0.2997,
0.3201

 22.8773, 0.2852,
0.3098

267.0942, 0.3005,
0.3206

 14.5029, 0.2807,
0.3066

320.0375, 0.3012,
0.3211

 8.4713, 0.2746,
0.3022

379.5519, 0.3018,

 4.3980, 0.2657,

0.3216

0.2956

446.0217, 0.3024,
0.3219

■ 1.8986, 0.2512,
0.2847

■ 0.5475, 0.2068,
0.2568

■ 87.4899, 0.2950,
0.3168

■ 87.4899, 0.2950,
0.3168

■ 77.5330, 0.2791,
0.3048

■ 98.4293, 0.3106,
0.3276

■ 68.5166, 0.2632,
0.2917

100.0000, 0.3127,
0.3290

■ 60.4086, 0.2476,
0.2774

■ 53.1710, 0.2328,
0.2622

■ 46.7627, 0.2192,
0.2464

■ 41.1385, 0.2072,
0.2301

■ 36.2467, 0.1973,
0.2138

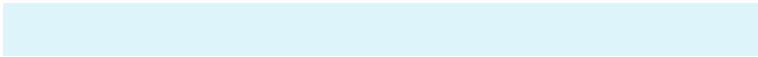
■ 32.0268, 0.1896,
0.1978

■ 28.8469, 0.1846,
0.1845

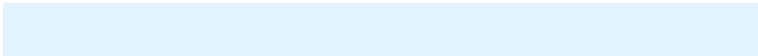
Harmonies

Analogous

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



87.4899, 0.2951, 0.3238



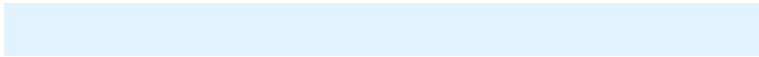
87.4899, 0.2950, 0.3168



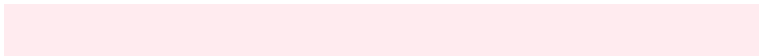
87.4899, 0.2996, 0.3132

Triad

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



87.4899, 0.2950, 0.3168



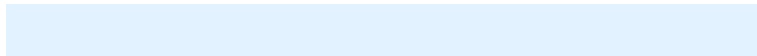
87.4899, 0.3257, 0.3255



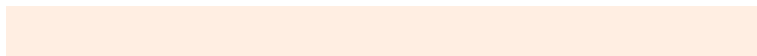
87.4899, 0.3175, 0.3449

Complementary

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



87.4899, 0.2950, 0.3168



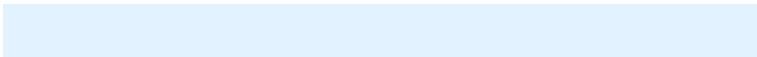
87.9117, 0.3317, 0.3409

Split Complementary

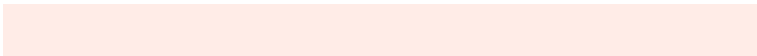
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4899, 0.3259, 0.3451



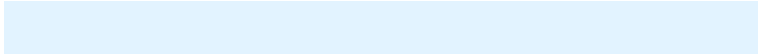
87.4899, 0.2950, 0.3168



87.4899, 0.3307, 0.3338

Square

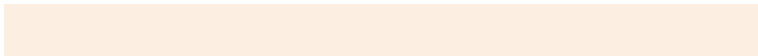
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4899, 0.2950, 0.3168



87.4899, 0.3173, 0.3182



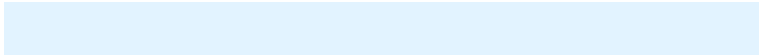
87.4899, 0.3307, 0.3410



87.4899, 0.3080, 0.3402

Rectangle

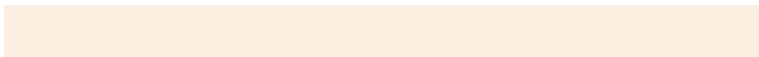
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4899, 0.2950, 0.3168



87.4899, 0.3047, 0.3131



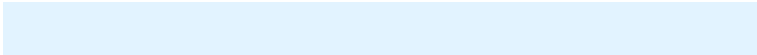
87.4899, 0.3307, 0.3410



87.4899, 0.3206, 0.3454

Sweetspot

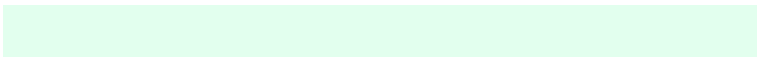
The Sweet Spot groups the original color and five complimentary colors.



87.4929, 0.2950, 0.3168



96.5735, 0.3081, 0.3259



93.8419, 0.3048, 0.3467



20.4780, 0.3069, 0.3251



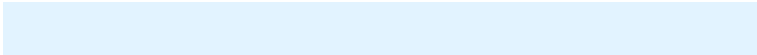
0.0000, 0.0000, 0.0000



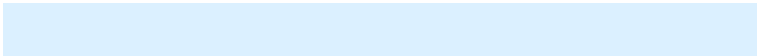
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4929, 0.2950, 0.3168



84.7754, 0.2908, 0.3138



79.3841, 0.2947, 0.3022



19.1466, 0.2979, 0.3189



15.3747, 0.1853, 0.1870



1.7126, 0.1902, 0.2048

Inverse Universe

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



82.1337, 0.3218, 0.3124



78.3840, 0.3242, 0.3084



96.4368, 0.3301, 0.3544



18.1657, 0.3202, 0.3152



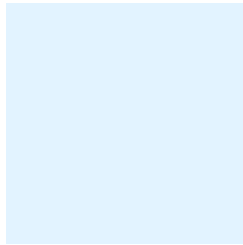
12.2800, 0.4602, 0.2309



1.2174, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 87.4899, 0.2950, 0.3168 looks on a white background.

Color Contrast Check

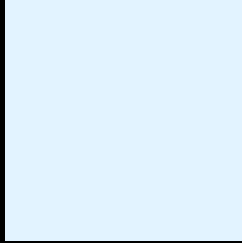
Large Text (above 18pt) WCAG AA × Fail

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 87.4899, 0.2950, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

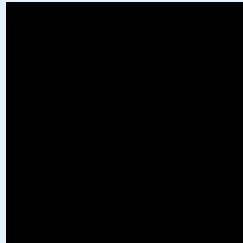
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

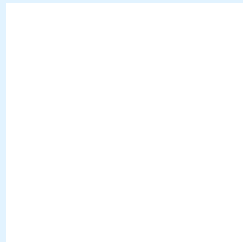
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4899, 0.2950, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 87.4899, 0.2950, 0.3168.



This preview shows how white text looks on a background with the Yxy color 87.4899, 0.2950, 0.3168.

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

87.4899, 0.2950, 0.3168

Protanopia

87.4621, 0.3062, 0.3161

Deuteranopia

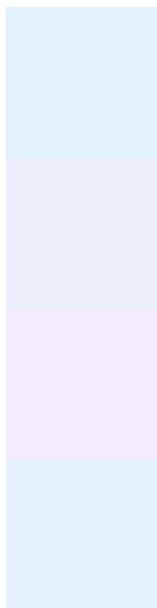
87.1365, 0.3130, 0.3087



Tritanopia

87.1195, 0.2981, 0.3149

Trichromacy



Original Color

87.4899, 0.2950, 0.3168

Protanomaly

87.2449, 0.3024, 0.3160

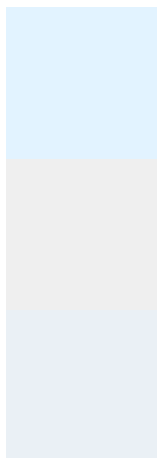
Deuteranomaly

87.0215, 0.3064, 0.3113

Tritanomaly

87.3823, 0.2968, 0.3159

Monochromacy



Original Color

87.4899, 0.2950, 0.3168

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4052, 0.3058, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4899, 0.2950, 0.3168 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(226, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 243, 255)  
}
```

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(226, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.4899, 0.2950, 0.3168 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(226, 243, 255) }
```

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

```
.border{ border-color:rgb(226, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4899, 0.2950, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 243, 255) }
```

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

```
.background{ background-color: rgb(226,  
243, 255) }
```

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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