

Converting Colors

$Y_{xy}(87.7841, 0.2944, 0.3176)$

Have a look what the booklet for
Yxy(87.7841, 0.2944, 0.3176)
contains.

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Color

Yxy(87.9289, 0.2944, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	E1F4FF
RGB	225, 244, 255
RGB Percent	88%, 96%, 100%
CMY	0.1176, 0.0431, 0.0000
CMYK	0.12, 0.04, 0.00, 0.00
HSL	202°, 100%, 94%
HSV	202°, 12%, 100%
XYZ	81.4546, 87.9289, 107.2965
YIQ	239.5730, -14.8550, -0.6070

Conversions

Conversions Part 2

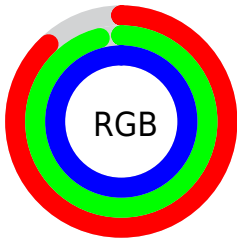
Format	Color
R _Y B	225, 237, 255
Decimal	14808319
CIE Lab	95.13, -4.08, -7.42
CIE LCh	95, 8.468, 241.170
Yxy	87.9289, 0.2944, 0.3178
Android (android.graphics.Color)	4292998399 (0xFFE1F4FF)
YUV	239.5730, 7.6055, -12.7805
Hunter-Lab	93.7704, -9.0424, -2.2031

Details

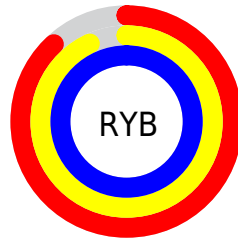
The Yxy color **87.9289, 0.2944, 0.3178** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6898, 0.3326, 0.3399**, and the grayscale version is **86.7369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5897, 0.2910, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **78.6498, 0.2787, 0.3072**, and if you desaturate by 10%, it is **98.1111, 0.3100, 0.3274**.

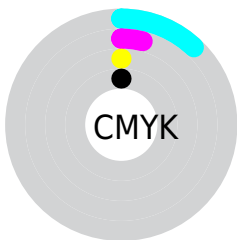
Distribution



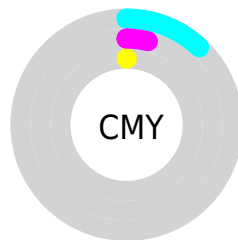
- Red (88%)
- Green (96%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9289, 0.2944, 0.3178 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 87.9289, 0.2944, 0.3178 by changing the saturation by 10% instead.

87.9289, 0.2944,
0.3178

87.9289, 0.2944,
0.3178

521.2704, 0.3026,
0.3229

66.2642, 0.2926,
0.3167

144.4582, 0.2972,
0.3195

48.4869, 0.2904,
0.3153

180.0915, 0.2983,
0.3202

34.2126, 0.2877,
0.3136

221.1499, 0.2992,
0.3208

23.0570, 0.2843,
0.3114

268.0176, 0.3000,
0.3213

14.6356, 0.2797,
0.3084

321.0791, 0.3008,
0.3218

8.5640, 0.2735,
0.3043

380.7188, 0.3014,

4.4579, 0.2643,

0.3222

0.2982

447.3211, 0.3020,
0.3225

■ 1.9329, 0.2495,
0.2880

■ 0.5680, 0.2042,
0.2635

■ 87.9289, 0.2944,
0.3178

■ 87.9289, 0.2944,
0.3178

■ 78.6498, 0.2787,
0.3072

■ 98.1111, 0.3100,
0.3274

■ 70.2340, 0.2631,
0.2956

100.0000, 0.3127,
0.3290

■ 62.6512, 0.2480,
0.2830

■ 55.8654, 0.2338,
0.2697

■ 49.8373, 0.2210,
0.2558

■ 44.5236, 0.2098,
0.2415

■ 39.8746, 0.2007,
0.2271

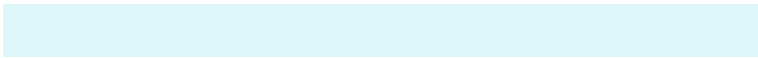
■ 35.8317, 0.1937,
0.2130

■ 32.8858, 0.1894,
0.2016

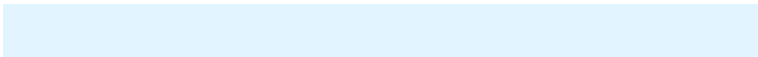
Harmonies

Analogous

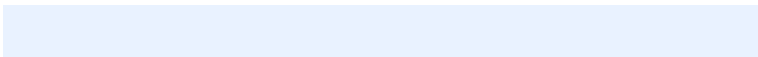
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9289, 0.2954, 0.3254



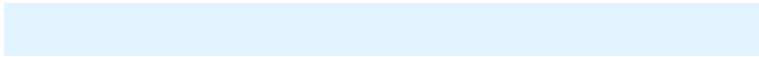
87.9289, 0.2944, 0.3178



87.9289, 0.2982, 0.3134

Triad

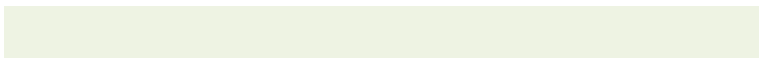
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9289, 0.2944, 0.3178



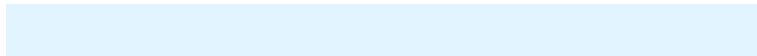
87.9289, 0.3244, 0.3239



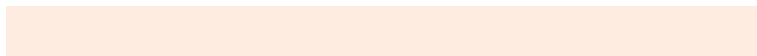
87.9289, 0.3194, 0.3455

Complementary

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



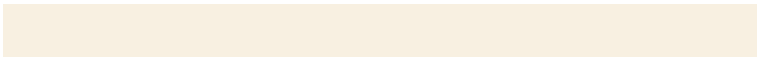
87.9289, 0.2944, 0.3178



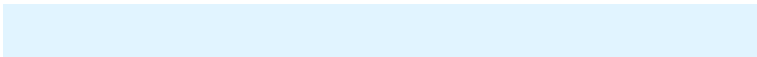
86.6898, 0.3326, 0.3399

Split Complementary

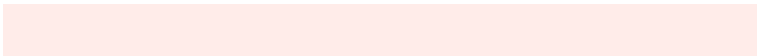
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9289, 0.3274, 0.3448



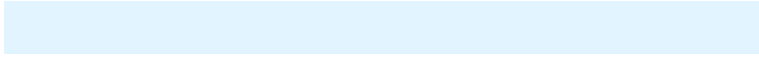
87.9289, 0.2944, 0.3178



87.9289, 0.3303, 0.3322

Square

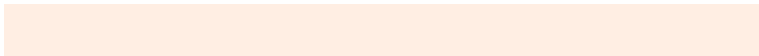
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



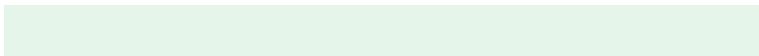
87.9289, 0.2944, 0.3178



87.9289, 0.3154, 0.3169



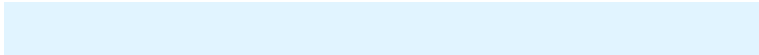
87.9289, 0.3314, 0.3399



87.9289, 0.3098, 0.3416

Rectangle

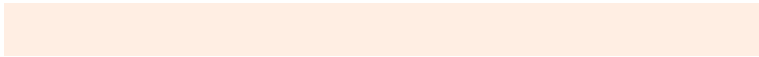
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.9289, 0.2944, 0.3178



87.9289, 0.3029, 0.3127



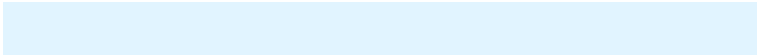
87.9289, 0.3314, 0.3399



87.9289, 0.3224, 0.3458

Sweetspot

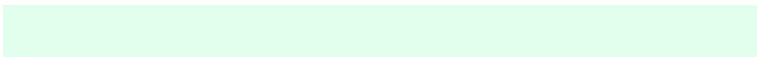
The Sweet Spot groups the original color and five complimentary colors.



87.9317, 0.2944, 0.3178



95.7535, 0.3065, 0.3254



93.5560, 0.3053, 0.3489



20.3278, 0.3054, 0.3247



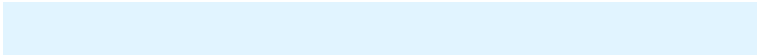
0.0000, 0.0000, 0.0000



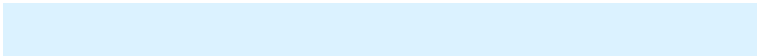
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9317, 0.2944, 0.3178



85.7776, 0.2909, 0.3155



79.5476, 0.2941, 0.3028



19.2959, 0.2980, 0.3201



17.4782, 0.1900, 0.2039



1.9104, 0.1944, 0.2198

Inverse Universe

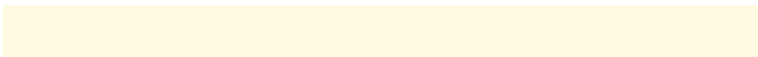
The Inverse Universe completely reimagines the original color for something new.



81.6460, 0.3212, 0.3104



78.4851, 0.3231, 0.3067



95.3796, 0.3309, 0.3539



18.1807, 0.3195, 0.3141



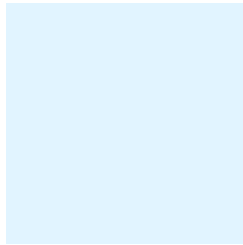
12.4924, 0.4409, 0.2202



1.2374, 0.4235, 0.2107

Previews

White Background



This preview shows how the Yxy color 87.9289, 0.2944, 0.3178 looks on a white background.

Color Contrast Check

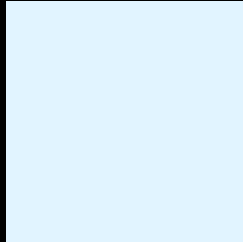
Large Text (above 18pt) WCAG AA × Fail

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 87.9289, 0.2944, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

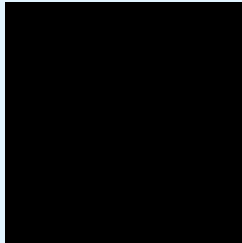
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

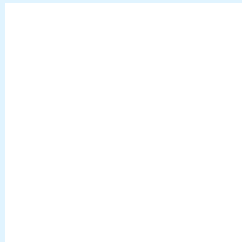
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9289, 0.2944, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 87.9289, 0.2944, 0.3178.



This preview shows how white text looks on a background with the Yxy color 87.9289, 0.2944, 0.3178.

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

87.9289, 0.2944, 0.3178

Protanopia

87.6385, 0.3068, 0.3161

Deuteranopia

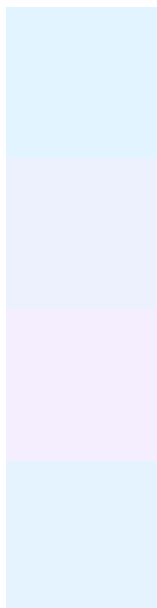
87.8967, 0.3136, 0.3097



Tritanopia

87.7132, 0.2981, 0.3159

Trichromacy



Original Color

87.9289, 0.2944, 0.3178

Protanomaly

87.8353, 0.3024, 0.3170

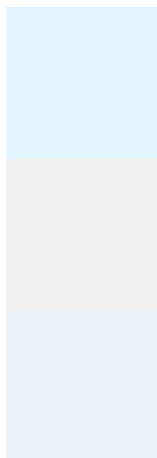
Deuteranomaly

87.6022, 0.3063, 0.3123

Tritanomaly

87.9792, 0.2968, 0.3169

Monochromacy



Original Color

87.9289, 0.2944, 0.3178

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.1653, 0.3064, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9289, 0.2944, 0.3178 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(225, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 244, 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(225, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.9289, 0.2944, 0.3178 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(225, 244, 255) }
```

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

```
.border{ border-color:rgb(225, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9289, 0.2944, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 244, 255) }
```

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

```
.background{ background-color: rgb(225,  
244, 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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