

Converting Colors

$Y_{xy}(90.1012, 0.2952, 0.3211)$

Have a look what the booklet for
Yxy(90.1012, 0.2952, 0.3211)
contains.

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Color

Yxy(89.9103, 0.2951, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	E2F7FF
RGB	226, 247, 255
RGB Percent	89%, 97%, 100%
CMY	0.1136, 0.0314, 0.0001
CMYK	0.11, 0.03, 0.00, 0.00
HSL	197°, 100%, 94%
HSV	197°, 11%, 100%
XYZ	82.6816, 89.9103, 107.5898
YIQ	241.6330, -15.0840, -1.9640

Conversions

Conversions Part 2

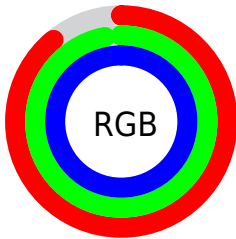
Format	Color
R _Y B	226, 238, 255
Decimal	14874623
CIE Lab	95.96, -5.28, -6.17
CIE LCh	96, 8.123, 229.440
Yxy	89.9103, 0.2951, 0.3209
Android (android.graphics.Color)	4293064703 (0xFFE2F7FF)
YUV	241.6330, 6.5899, -13.7101
Hunter-Lab	94.8210, -10.2892, -0.8993

Details

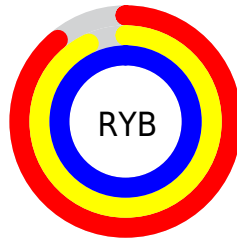
The Yxy color **89.9103, 0.2951, 0.3209** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.6121, 0.3322, 0.3370**, and the grayscale version is **88.4504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9967, 0.2919, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **81.8700, 0.2797, 0.3130**, and if you desaturate by 10%, it is **98.7336, 0.3106, 0.3281**.

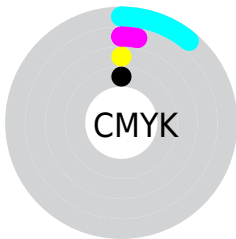
Distribution



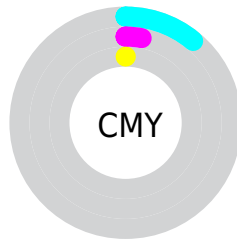
- Red (89%)
- Green (97%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.9103, 0.2951, 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 89.9103, 0.2951, 0.3209 by changing the saturation by 10% instead.

89.9103, 0.2951,
0.3209

89.9103, 0.2951,
0.3209

527.7390, 0.3029,
0.3246

67.9062, 0.2934,
0.3201

147.2138, 0.2977,
0.3222

49.8215, 0.2913,
0.3191

183.2820, 0.2988,
0.3226

35.2716, 0.2887,
0.3178

224.8071, 0.2997,
0.3231

23.8721, 0.2855,
0.3162

272.1734, 0.3005,
0.3234

15.2388, 0.2812,
0.3141

325.7654, 0.3012,
0.3238

8.9872, 0.2753,
0.3111

385.9674, 0.3018,

4.7328, 0.2666,

0.3241

0.3066

453.1638, 0.3024,
0.3243

■ 2.0914, 0.2529,
0.2992

■ 0.6598, 0.2147,
0.2844

■ 89.9103, 0.2951,
0.3209

■ 89.9103, 0.2951,
0.3209

■ 81.8700, 0.2797,
0.3130

■ 98.7336, 0.3106,
0.3281

■ 74.5726, 0.2647,
0.3044

■ 99.9990, 0.3127,
0.3290

■ 67.9912, 0.2505,
0.2951

■ 62.0925, 0.2374,
0.2853

■ 56.8400, 0.2258,
0.2751

■ 52.1933, 0.2159,
0.2647

■ 48.1059, 0.2080,
0.2541

■ 44.5225, 0.2022,
0.2437

■ 41.7570, 0.1986,
0.2348

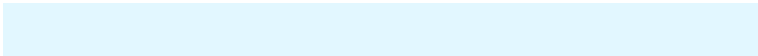
Harmonies

Analogous

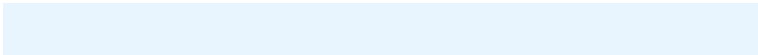
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9103, 0.2979, 0.3288



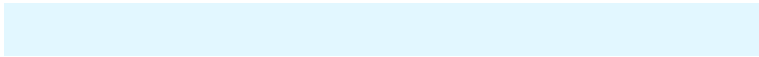
89.9103, 0.2951, 0.3209



89.9103, 0.2969, 0.3153

Triad

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



89.9103, 0.2951, 0.3209



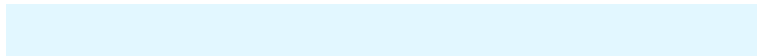
89.9103, 0.3208, 0.3213



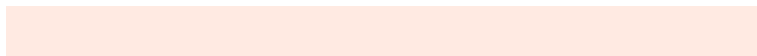
89.9103, 0.3224, 0.3450

Complementary

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



89.9103, 0.2951, 0.3209



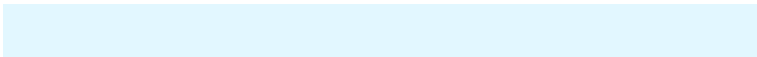
85.6121, 0.3322, 0.3370

Split Complementary

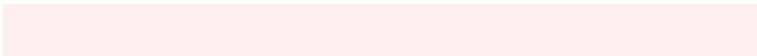
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9103, 0.3287, 0.3426



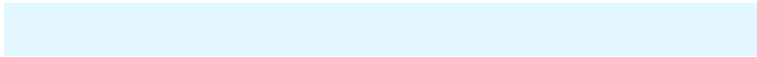
89.9103, 0.2951, 0.3209



89.9103, 0.3278, 0.3289

Square

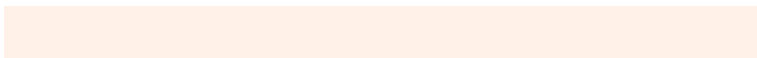
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



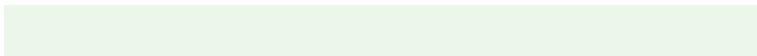
89.9103, 0.2951, 0.3209



89.9103, 0.3117, 0.3156



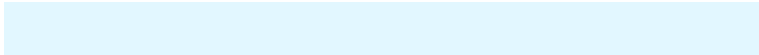
89.9103, 0.3307, 0.3367



89.9103, 0.3136, 0.3429

Rectangle

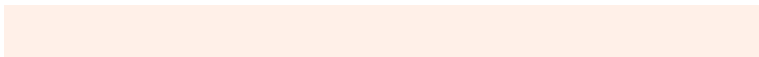
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.9103, 0.2951, 0.3209



89.9103, 0.3006, 0.3136



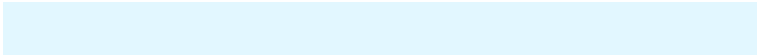
89.9103, 0.3307, 0.3367



89.9103, 0.3249, 0.3447

Sweetspot

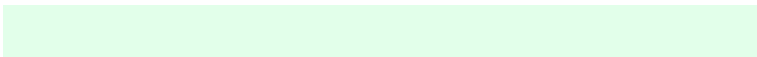
The Sweet Spot groups the original color and five complimentary colors.



89.9141, 0.2951, 0.3209



97.2383, 0.3081, 0.3270



93.6121, 0.3070, 0.3506



20.6576, 0.3068, 0.3264



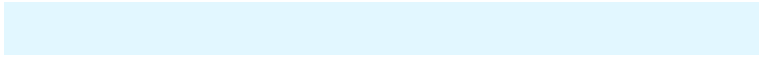
0.0000, 0.0000, 0.0000



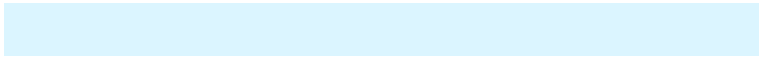
21.4041, 0.3127, 0.3290

Same Dimension

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



89.9141, 0.2951, 0.3209



87.7210, 0.2910, 0.3189



81.5559, 0.2948, 0.3063



19.5839, 0.2980, 0.3223



22.0851, 0.1990, 0.2365



2.3336, 0.2023, 0.2483

Inverse Universe

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



82.3873, 0.3192, 0.3085



78.6813, 0.3209, 0.3036



94.0272, 0.3305, 0.3507



18.2098, 0.3181, 0.3119



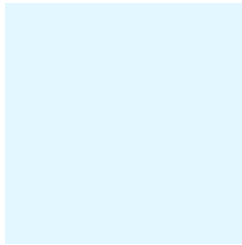
12.9575, 0.4059, 0.2010



1.2801, 0.3939, 0.1944

Previews

White Background



This preview shows how the Yxy color 89.9103, 0.2951, 0.3209 looks on a white background.

Color Contrast Check

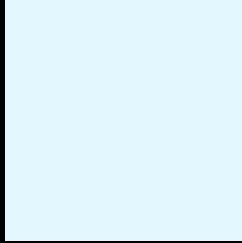
Large Text (above 18pt) WCAG AA × Fail

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 89.9103, 0.2951, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

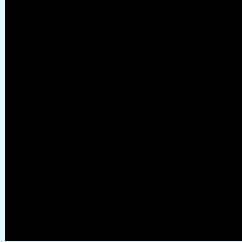
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

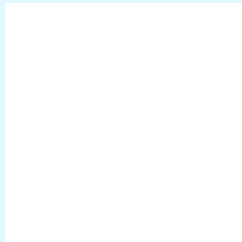
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9103, 0.2951, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 89.9103, 0.2951, 0.3209.

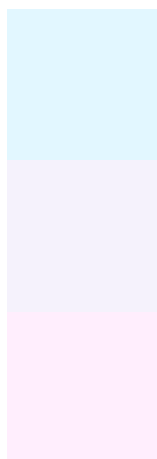


This preview shows how white text looks on a background with the Yxy color 89.9103, 0.2951, 0.3209.

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

89.9103, 0.2951, 0.3209

Protanopia

89.9450, 0.3087, 0.3192

Deuteranopia

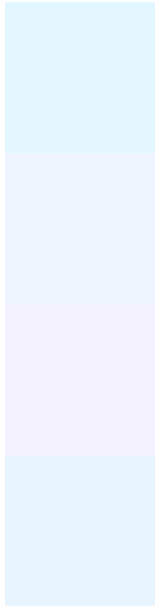
89.5009, 0.3147, 0.3146



Tritanopia

89.5835, 0.3006, 0.3180

Trichromacy



Original Color

89.9103, 0.2951, 0.3209

Protanomaly

89.9704, 0.3036, 0.3201

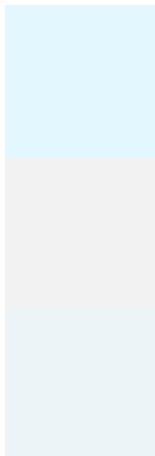
Deuteranomaly

89.2994, 0.3069, 0.3162

Tritanomaly

89.6806, 0.2987, 0.3190

Monochromacy



Original Color

89.9103, 0.2951, 0.3209

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.2496, 0.3058, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9103, 0.2951, 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(226, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 247, 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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.9103, 0.2951, 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(226, 247, 255) }
```

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

```
.border{ border-color:rgb(226, 247, 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, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9103, 0.2951, 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(226, 247, 255) }
```

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

```
.background{ background-color: rgb(226,  
247, 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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