

Converting Colors

$Yxy(90.7082, 0.2951, 0.3222)$

Have a look what the booklet for
Yxy(90.7082, 0.2951, 0.3222)
contains.

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Color

Yxy(90.5236, 0.2951, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	E2F8FF
RGB	226, 248, 255
RGB Percent	89%, 97%, 100%
CMY	0.1136, 0.0275, 0.0000
CMYK	0.11, 0.03, 0.00, 0.00
HSL	194°, 100%, 94%
HSV	194°, 11%, 100%
XYZ	82.9870, 90.5236, 107.7059
YIQ	242.2200, -15.3590, -2.4870

Conversions

Conversions Part 2

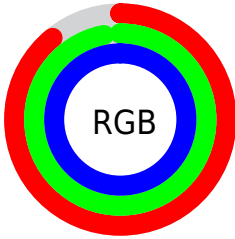
Format	Color
R _Y B	226, 239, 255
Decimal	14874879
CIE Lab	96.21, -5.79, -5.81
CIE LCh	96, 8.199, 225.075
Yxy	90.5236, 0.2951, 0.3219
Android (android.graphics.Color)	4293064959 (0xFFE2F8FF)
YUV	242.2200, 6.3005, -14.2249
Hunter-Lab	95.1439, -10.8094, -0.5175

Details

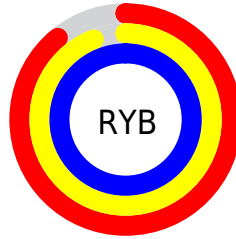
The Yxy color **90.5236, 0.2951, 0.3219** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0457, 0.3323, 0.3360**, and the grayscale version is **88.9401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4344, 0.2919, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **82.9796, 0.2798, 0.3150**, and if you desaturate by 10%, it is **98.8128, 0.3106, 0.3282**.

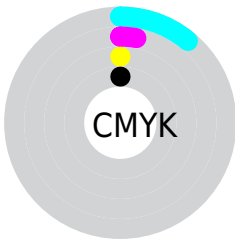
Distribution



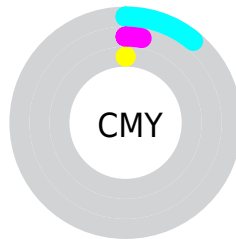
- Red (89%)
- Green (97%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- 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 90.5236, 0.2951, 0.3219 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 90.5236, 0.2951, 0.3219 by changing the saturation by 10% instead.

90.5236, 0.2951,
0.3219

90.5236, 0.2951,
0.3219

529.7326, 0.3029,
0.3251

68.4150, 0.2934,
0.3212

148.0655, 0.2977,
0.3230

50.2354, 0.2913,
0.3203

184.2676, 0.2988,
0.3234

35.6005, 0.2888,
0.3192

225.9362, 0.2997,
0.3238

24.1258, 0.2855,
0.3178

273.4559, 0.3005,
0.3241

15.4270, 0.2812,
0.3159

327.2110, 0.3012,
0.3244

9.1196, 0.2753,
0.3133

387.5859, 0.3018,

4.8193, 0.2668,

0.3247

0.3093

454.9650, 0.3024,
0.3249

■ 2.1416, 0.2532,
0.3027

■ 0.6879, 0.2164,
0.2905

■ 90.5236, 0.2951,
0.3219

■ 90.5236, 0.2951,
0.3219

■ 82.9796, 0.2798,
0.3150

■ 98.8128, 0.3106,
0.3282

■ 76.1416, 0.2651,
0.3075

100.0000, 0.3127,
0.3290

■ 69.9830, 0.2512,
0.2994

■ 64.4713, 0.2385,
0.2910

■ 59.5706, 0.2274,
0.2821

■ 55.2409, 0.2180,
0.2731

■ 51.4367, 0.2107,
0.2640

■ 48.1030, 0.2053,
0.2549

■ 45.5302, 0.2020,
0.2472

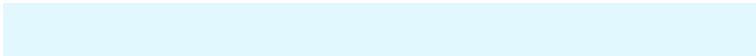
Harmonies

Analogous

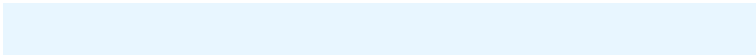
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5236, 0.2986, 0.3301



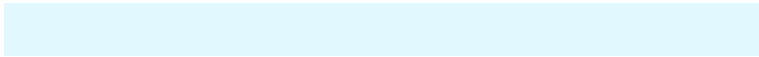
90.5236, 0.2951, 0.3219



90.5236, 0.2963, 0.3158

Triad

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



90.5236, 0.2951, 0.3219



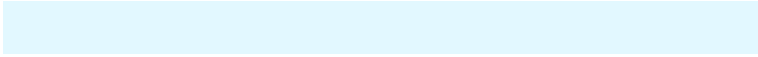
90.5236, 0.3196, 0.3202



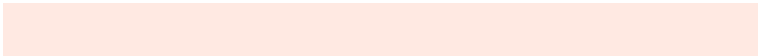
90.5236, 0.3236, 0.3450

Complementary

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



90.5236, 0.2951, 0.3219



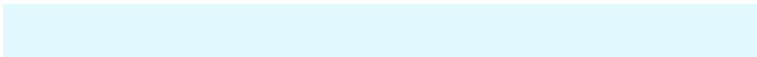
85.0457, 0.3323, 0.3360

Split Complementary

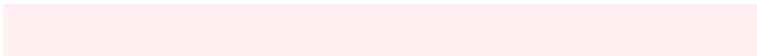
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5236, 0.3294, 0.3421



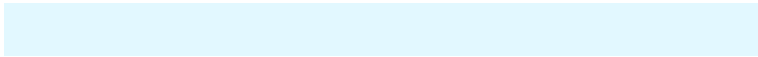
90.5236, 0.2951, 0.3219



90.5236, 0.3271, 0.3277

Square

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



90.5236, 0.2951, 0.3219



90.5236, 0.3103, 0.3150



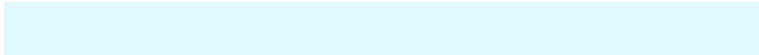
90.5236, 0.3307, 0.3357



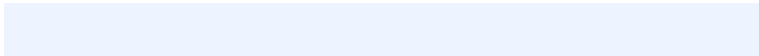
90.5236, 0.3149, 0.3436

Rectangle

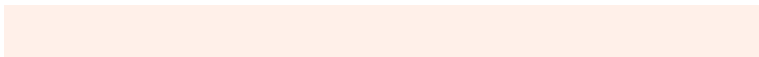
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5236, 0.2951, 0.3219



90.5236, 0.2995, 0.3137



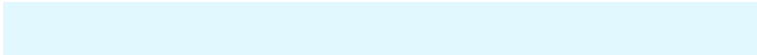
90.5236, 0.3307, 0.3357



90.5236, 0.3260, 0.3445

Sweetspot

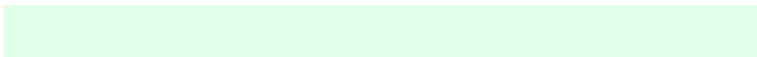
The Sweet Spot groups the original color and five complimentary colors.



90.5273, 0.2951, 0.3219



97.4041, 0.3081, 0.3272



93.5641, 0.3075, 0.3517



20.7025, 0.3068, 0.3267



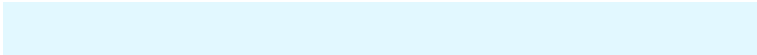
0.0000, 0.0000, 0.0000



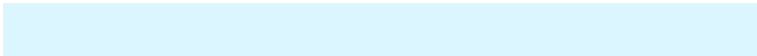
21.4041, 0.3127, 0.3290

Same Dimension

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



90.5273, 0.2951, 0.3219



88.4658, 0.2910, 0.3201



82.0980, 0.2948, 0.3073



19.6939, 0.2980, 0.3231



24.0352, 0.2024, 0.2487



2.5097, 0.2053, 0.2589

Inverse Universe

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



82.4444, 0.3185, 0.3076



78.7565, 0.3201, 0.3024



93.4415, 0.3306, 0.3498



18.2209, 0.3175, 0.3111



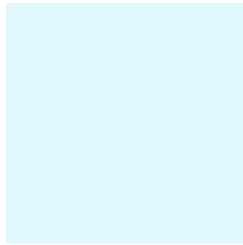
13.1543, 0.3935, 0.1941



1.2979, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 90.5236, 0.2951, 0.3219 looks on a white background.

Color Contrast Check

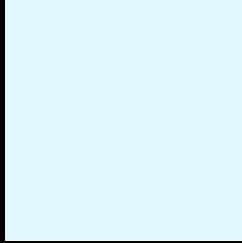
Large Text (above 18pt) WCAG AA × Fail

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 90.5236, 0.2951, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

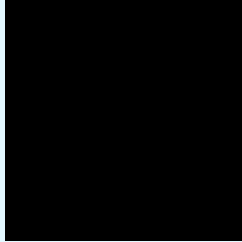
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

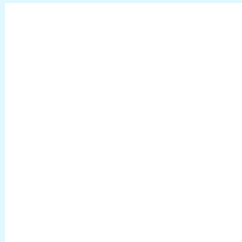
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5236, 0.2951, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 90.5236, 0.2951, 0.3219.

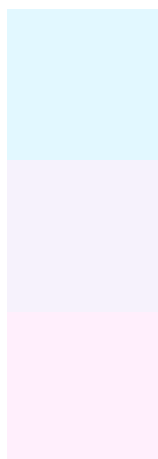


This preview shows how white text looks on a background with the Yxy color 90.5236, 0.2951, 0.3219.

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

90.5236, 0.2951, 0.3219

Protanopia

90.1254, 0.3093, 0.3192

Deuteranopia

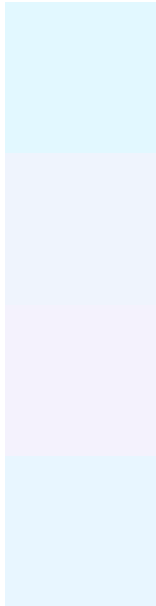
90.0213, 0.3153, 0.3165



Tritanopia

90.3577, 0.3012, 0.3191

Trichromacy



Original Color

90.5236, 0.2951, 0.3219

Protanomaly

90.1439, 0.3042, 0.3201

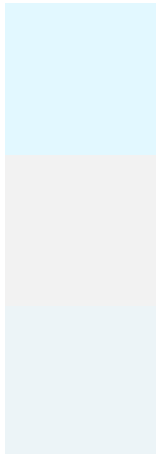
Deuteranomaly

89.8292, 0.3074, 0.3182

Tritanomaly

90.2873, 0.2987, 0.3200

Monochromacy



Original Color

90.5236, 0.2951, 0.3219

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 90.5236, 0.2951, 0.3219 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 248, 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, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.5236, 0.2951, 0.3219 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, 248, 255) }
```

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

```
.border{ border-color:rgb(226, 248, 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, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 248, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 248, 255); box-shadow:4px 4px 4px 4px rgb(226, 248, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5236, 0.2951, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 248, 255) }
```

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

```
.background{ background-color: rgb(226,  
248, 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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