

Converting Colors

$Y_{xy}(90.7005, 0.3051, 0.3180)$

Have a look what the booklet for
Yxy(90.7005, 0.3051, 0.3180)
contains.

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Color

Yxy(90.7986, 0.3049, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	F2F4FF
RGB	242, 244, 255
RGB Percent	95%, 96%, 100%
CMY	0.0512, 0.0430, 0.0000
CMYK	0.05, 0.04, 0.00, 0.00
HSL	230°, 100%, 97%
HSV	230°, 5%, 100%
XYZ	87.0034, 90.7986, 107.5487
YIQ	244.6560, -4.7230, 2.9970

Conversions

Conversions Part 2

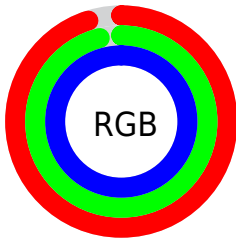
Format	Color
R_{YB}	242, 244, 255
Decimal	15922431
CIE _{Lab}	96.33, 1.31, -5.51
CIE _{LCh}	96, 5.666, 283.363
Yxy	90.7986, 0.3049, 0.3182
Android (android.graphics.Color)	4294112511 (0xFF2F4FF)
YUV	244.6560, 5.0996, -2.3293
Hunter-Lab	95.2883, -3.7742, -0.2168

Details

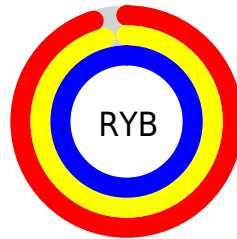
The Yxy color 90.7986, 0.3049, 0.3182 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.8665, 0.3205, 0.3396, and the grayscale version is 90.9771, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.4828, 0.3036, 0.3165 is the 20% darker color. If you saturate the color by 10%, you get 74.4416, 0.2884, 0.2950, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

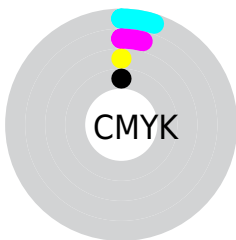
Distribution



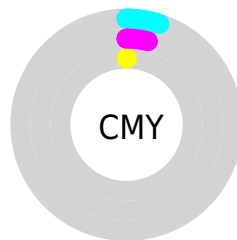
- Red (95%)
- Green (96%)
- Blue (100%)



- Red (95%)
- Yellow (96%)
- Blue (100%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7986, 0.3049, 0.3182 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 90.7986, 0.3049, 0.3182 by changing the saturation by 10% instead.


 90.7986, 0.3049,
0.3182

 90.7986, 0.3049,
0.3182

530.6253, 0.3084,
0.3230

 68.6432, 0.3041,
0.3172


148.4472, 0.3061,
0.3198

 50.4212, 0.3032,
0.3159


184.7092, 0.3065,
0.3205

 35.7482, 0.3020,
0.3143


226.4421, 0.3070,
0.3210

 24.2398, 0.3006,
0.3123

274.0304, 0.3073,
0.3215

 15.5116, 0.2986,
0.3096

327.8585, 0.3076,
0.3220

 9.1792, 0.2959,
0.3060

388.3107, 0.3079,

 4.8583, 0.2920,

0.3223

0.3007

455.7715, 0.3082,
0.3227

■ 2.1643, 0.2856,
0.2922

■ 0.7004, 0.2727,
0.2738

■ 90.7986, 0.3049,
0.3182

■ 90.7986, 0.3049,
0.3182

■ 74.4416, 0.2884,
0.2950

100.0000, 0.3127,
0.3290

■ 60.1331, 0.2703,
0.2689

■ 47.7950, 0.2510,
0.2403

■ 37.3401, 0.2309,
0.2096

■ 28.6745, 0.2110,
0.1781

■ 21.6961, 0.1924,
0.1473

■ 16.2922, 0.1762,
0.1190

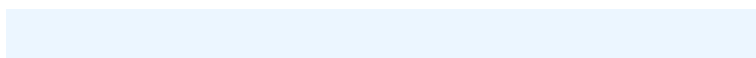
■ 12.3357, 0.1638,
0.0953

■ 9.6781, 0.1558,
0.0777

Harmonies

Analogous

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



90.7986, 0.3012, 0.3201



90.7986, 0.3049, 0.3182



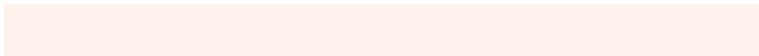
90.7986, 0.3107, 0.3191

Triad

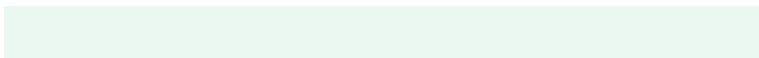
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7986, 0.3049, 0.3182



90.7986, 0.3250, 0.3334



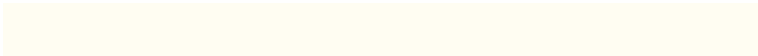
90.7986, 0.3083, 0.3355

Complementary

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



90.7986, 0.3049, 0.3182



97.8665, 0.3205, 0.3396

Split Complementary

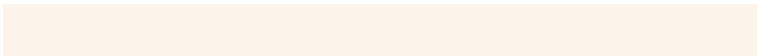
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7986, 0.3146, 0.3391



90.7986, 0.3049, 0.3182



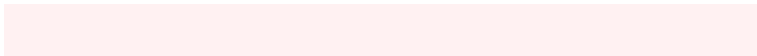
90.7986, 0.3244, 0.3379

Square

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



90.7986, 0.3049, 0.3182



90.7986, 0.3224, 0.3278



90.7986, 0.3205, 0.3400



90.7986, 0.3031, 0.3301

Rectangle

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



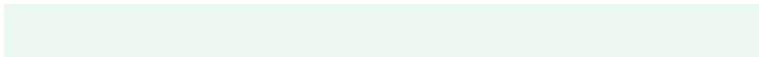
90.7986, 0.3049, 0.3182



90.7986, 0.3150, 0.3212



90.7986, 0.3205, 0.3400



90.7986, 0.3103, 0.3370

Sweetspot

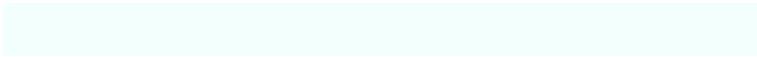
The Sweet Spot groups the original color and five complimentary colors.



90.8023, 0.3049, 0.3182



96.3406, 0.3097, 0.3249



97.4676, 0.3059, 0.3311



20.6592, 0.3099, 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.



90.8023, 0.3049, 0.3182



89.2796, 0.3035, 0.3163



90.3358, 0.3077, 0.3163



18.8697, 0.3025, 0.3148



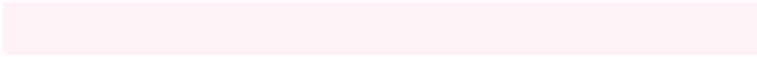
4.7258, 0.1537, 0.0733



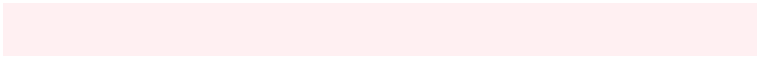
0.5879, 0.1585, 0.0906

Inverse Universe

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



91.2627, 0.3200, 0.3270



89.8228, 0.3213, 0.3267



98.3711, 0.3176, 0.3416



18.9992, 0.3223, 0.3264



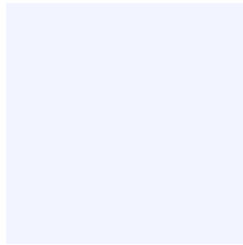
11.2050, 0.6178, 0.3177



1.1039, 0.5902, 0.3025

Previews

White Background



This preview shows how the Yxy color 90.7986, 0.3049, 0.3182 looks on a white background.

Color Contrast Check

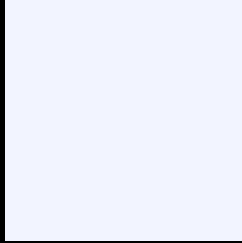
Large Text (above 18pt) WCAG AA × Fail

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 90.7986, 0.3049, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

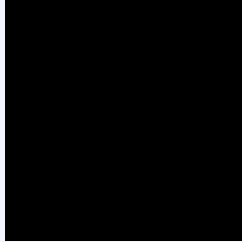
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.7986, 0.3049, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 90.7986, 0.3049, 0.3182.

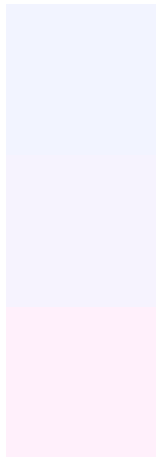


This preview shows how white text looks on a background with the Yxy color 90.7986, 0.3049, 0.3182.

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

90.7986, 0.3049, 0.3182

Protanopia

90.8498, 0.3081, 0.3183

Deuteranopia

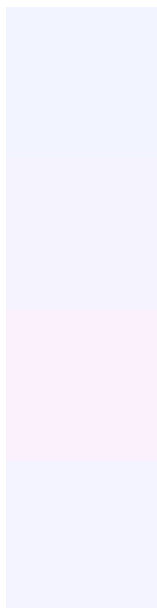
90.5452, 0.3158, 0.3184



Tritanopia

91.1545, 0.3062, 0.3182

Trichromacy



Original Color

90.7986, 0.3049, 0.3182

Protanomaly

90.6694, 0.3074, 0.3182

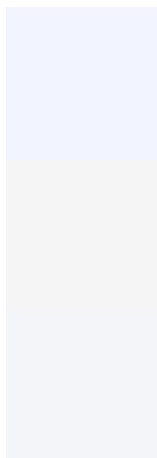
Deuteranomaly

90.2629, 0.3119, 0.3183

Tritanomaly

90.9761, 0.3056, 0.3182

Monochromacy



Original Color

90.7986, 0.3049, 0.3182

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

91.3775, 0.3097, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7986, 0.3049, 0.3182 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(242, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.7986, 0.3049, 0.3182 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(242, 244, 255) }
```

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

```
.border{ border-color:rgb(242, 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(242, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 244,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.7986, 0.3049, 0.3182$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 244, 255) }
```

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

```
.background{ background-color: rgb(242,  
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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