

Converting Colors

$Yxy(93.0326, 0.3019, 0.3231)$

Have a look what the booklet for
Yxy(93.0326, 0.3019, 0.3231)
contains.

Yxy(92.9759, 0.3018, 0.3231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(92.9759, 0.3018, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	EDF9FF
RGB	237, 249, 255
RGB Percent	93%, 98%, 100%
CMY	0.0706, 0.0235, 0.0002
CMYK	0.07, 0.02, 0.00, 0.00
HSL	200°, 100%, 96%
HSV	200°, 7%, 100%
XYZ	86.8466, 92.9759, 107.9395
YIQ	246.0960, -9.0780, -0.6780

Conversions

Conversions Part 2

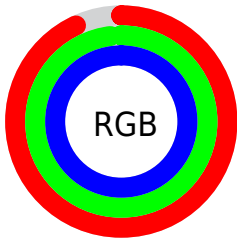
Format	Color
R _Y B	237, 244, 255
Decimal	15596031
CIE Lab	97.22, -2.82, -4.22
CIE LCh	97, 5.075, 236.213
Yxy	92.9759, 0.3018, 0.3231
Android (android.graphics.Color)	4293786111 (0xFFEDF9FF)
YUV	246.0960, 4.3897, -7.9772
Hunter-Lab	96.4240, -7.9718, 1.1261

Details

The Yxy color 92.9759, 0.3018, 0.3231 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.4425, 0.3242, 0.3348, and the grayscale version is 92.2116, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.0409, 0.2996, 0.3227 is the 20% darker color. If you saturate the color by 10%, you get 83.7913, 0.2862, 0.3140, and if you desaturate by 10%, it is 99.9973, 0.3127, 0.3290.

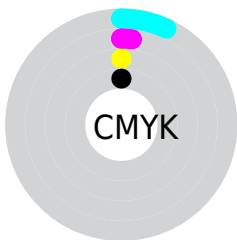
Distribution



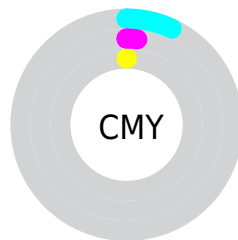
- Red (93%)
- Green (98%)
- Blue (100%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.9759, 0.3018, 0.3231 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 92.9759, 0.3018, 0.3231 by changing the saturation by 10% instead.

 92.9759, 0.3018,
0.3231

 92.9759, 0.3018,
0.3231


537.6645, 0.3066,
0.3257

 70.4515, 0.3007,
0.3225

151.4652, 0.3034,
0.3240

 51.8947, 0.2995,
0.3218


188.1990, 0.3041,
0.3244

 36.9211, 0.2979,
0.3209


230.4379, 0.3046,
0.3247

 25.1464, 0.2959,
0.3198

278.5664, 0.3051,
0.3249

 16.1862, 0.2933,
0.3183

332.9689, 0.3056,
0.3252

 9.6560, 0.2897,
0.3163

394.0299, 0.3060,

 5.1715, 0.2844,

0.3254

0.3133

462.1336, 0.3063,
0.3256

■ 2.3482, 0.2761,
0.3084

■ 0.7991, 0.2588,
0.2994

■ 92.9759, 0.3018,
0.3231

■ 92.9759, 0.3018,
0.3231

■ 83.7913, 0.2862,
0.3140

99.9973, 0.3127,
0.3290

■ 75.4325, 0.2707,
0.3039

■ 67.8722, 0.2556,
0.2930

■ 61.0769, 0.2414,
0.2814

■ 55.0102, 0.2283,
0.2691

■ 49.6323, 0.2168,
0.2564

■ 44.8979, 0.2073,
0.2436

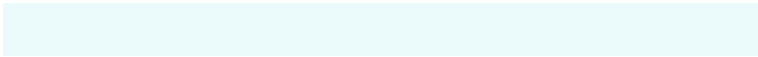
■ 40.7546, 0.1998,
0.2308

■ 37.1363, 0.1943,
0.2182

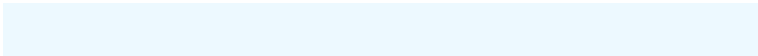
Harmonies

Analogous

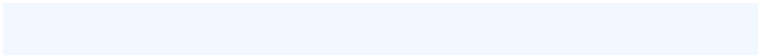
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9759, 0.3029, 0.3278



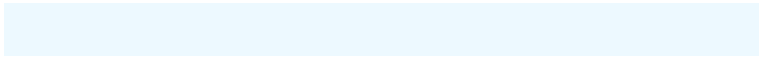
92.9759, 0.3018, 0.3231



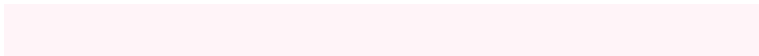
92.9759, 0.3036, 0.3201

Triad

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



92.9759, 0.3018, 0.3231



92.9759, 0.3188, 0.3252



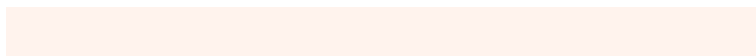
92.9759, 0.3176, 0.3388

Complementary

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



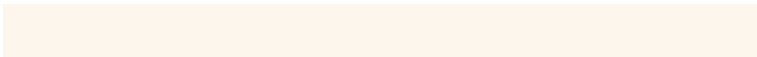
92.9759, 0.3018, 0.3231



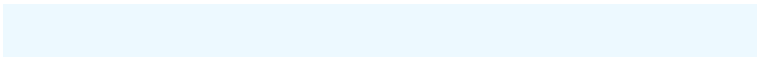
91.4425, 0.3242, 0.3348

Split Complementary

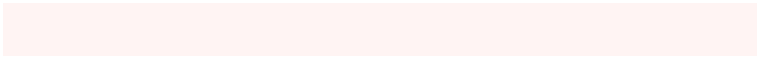
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.9759, 0.3219, 0.3380



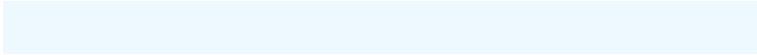
92.9759, 0.3018, 0.3231



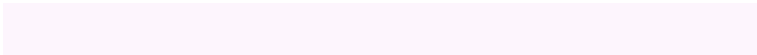
92.9759, 0.3226, 0.3301

Square

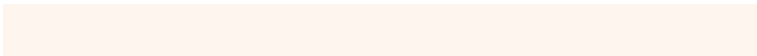
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.9759, 0.3018, 0.3231



92.9759, 0.3134, 0.3213



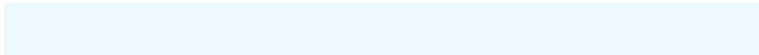
92.9759, 0.3238, 0.3348



92.9759, 0.3120, 0.3369

Rectangle

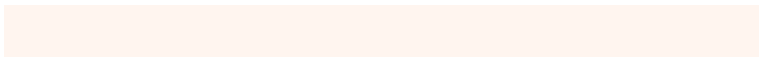
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.9759, 0.3018, 0.3231



92.9759, 0.3062, 0.3194



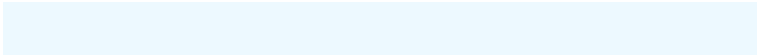
92.9759, 0.3238, 0.3348



92.9759, 0.3192, 0.3388

Sweetspot

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



92.9798, 0.3018, 0.3231



97.9718, 0.3096, 0.3274



95.9514, 0.3086, 0.3412



20.9913, 0.3098, 0.3275



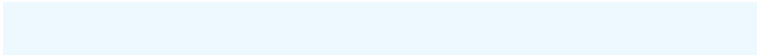
0.0000, 0.0000, 0.0000



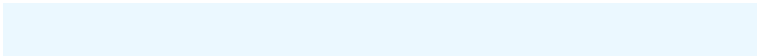
21.4041, 0.3127, 0.3290

Same Dimension

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



92.9798, 0.3018, 0.3231



92.0958, 0.3003, 0.3223



87.7194, 0.3019, 0.3144



19.4073, 0.2980, 0.3209



19.1751, 0.1935, 0.2166



2.0676, 0.1975, 0.2309

Inverse Universe

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



88.6651, 0.3172, 0.3174



87.2400, 0.3179, 0.3158



96.7787, 0.3235, 0.3432



18.1920, 0.3189, 0.3132



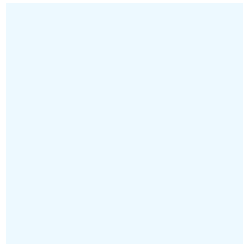
12.6637, 0.4269, 0.2126



1.2533, 0.4117, 0.2042

Previews

White Background



This preview shows how the Yxy color 92.9759, 0.3018, 0.3231 looks on a white background.

Color Contrast Check

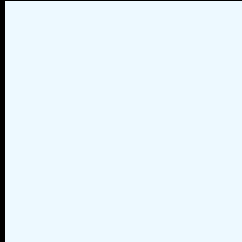
Large Text (above 18pt) WCAG AA × Fail

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 92.9759, 0.3018, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

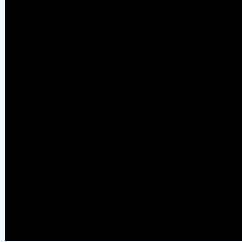
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

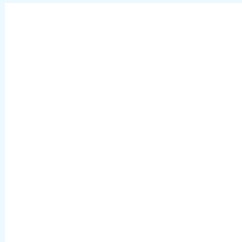
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.9759, 0.3018, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 92.9759, 0.3018, 0.3231.

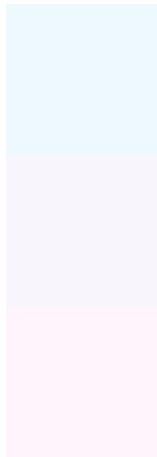


This preview shows how white text looks on a background with the Yxy color 92.9759, 0.3018, 0.3231.

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

92.9759, 0.3018, 0.3231

Protanopia

92.5364, 0.3105, 0.3212

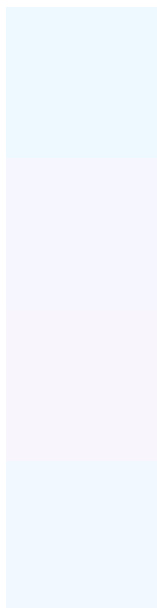
Deuteranopia

92.9264, 0.3156, 0.3223

Tritanopia

92.9746, 0.3061, 0.3212

Trichromacy



Original Color

92.9759, 0.3018, 0.3231

Protanomaly

92.4798, 0.3074, 0.3212

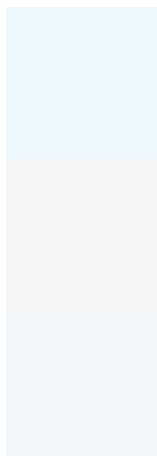
Deuteranomaly

92.8963, 0.3104, 0.3232

Tritanomaly

93.0556, 0.3042, 0.3221

Monochromacy



Original Color

92.9759, 0.3018, 0.3231

Achromatopsia

92.1582, 0.3127, 0.3290

Achromatomaly

92.4158, 0.3090, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.9759, 0.3018, 0.3231 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(237, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 249, 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(237, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 92.9759, 0.3018, 0.3231 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(237, 249, 255) }
```

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

```
.border{ border-color:rgb(237, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 92.9759, 0.3018, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 249, 255) }
```

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

```
.background{ background-color: rgb(237,  
249, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor