

# Converting Colors

$Y_{xy}(91.3670, 0.2957, 0.3230)$

Have a look what the booklet for  
Yxy(91.3670, 0.2957, 0.3230)  
contains.

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# Color

**Yxy(91.3023, 0.2957, 0.3229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3F9FF
RGB	227, 249, 255
RGB Percent	89%, 98%, 100%
CMY	0.1097, 0.0235, 0.0000
CMYK	0.11, 0.02, 0.00, 0.00
HSL	193°, 100%, 95%
HSV	193°, 11%, 100%
XYZ	83.6113, 91.3023, 107.8436
YIQ	243.1060, -15.0380, -2.7980

# Conversions

## Conversions Part 2

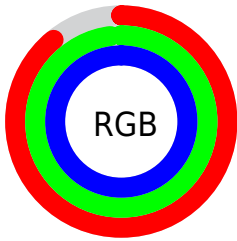
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 239, 255
Decimal	14940671
CIE Lab	96.53, -5.98, -5.34
CIE LCh	97, 8.013, 221.759
Yxy	91.3023, 0.2957, 0.3229
Android (android.graphics.Color)	4293130751 (0xFFE3F9FF)
YUV	243.1060, 5.8637, -14.1250
Hunter-Lab	95.5522, -11.0231, -0.0302

# Details

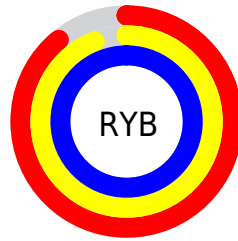
The Yxy color **91.3023, 0.2957, 0.3229** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.0969, 0.3317, 0.3350**, and the grayscale version is **89.6813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.8751, 0.2920, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **84.1279, 0.2805, 0.3168**, and if you desaturate by 10%, it is **99.1936, 0.3112, 0.3285**.

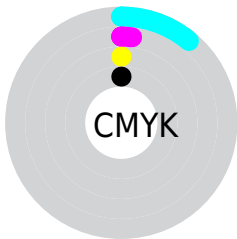
# Distribution



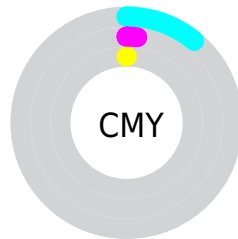
- Red (89%)
- Green (98%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.3023, 0.2957, 0.3229 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 91.3023, 0.2957, 0.3229 by changing the saturation by 10% instead.




 91.3023, 0.2957,  
0.3229

 91.3023, 0.2957,  
0.3229


532.2581, 0.3032,  
0.3257

 69.0613, 0.2941,  
0.3223


149.1460, 0.2982,  
0.3238

 50.7616, 0.2921,  
0.3215

185.5175, 0.2993,  
0.3242

 36.0189, 0.2896,  
0.3206


227.3680, 0.3001,  
0.3245

 24.4488, 0.2865,  
0.3194

275.0817, 0.3009,  
0.3248

 15.6669, 0.2823,  
0.3177

329.0433, 0.3016,  
0.3251

 9.2887, 0.2767,  
0.3155

389.6369, 0.3022,

 4.9300, 0.2685,

0.3253

0.3120

457.2471, 0.3027,  
0.3255

■ 2.2062, 0.2555,  
0.3064

■ 0.7234, 0.2220,  
0.2965

■ 91.3023, 0.2957,  
0.3229

■ 91.3023, 0.2957,  
0.3229

■ 84.1279, 0.2805,  
0.3168

■ 99.1936, 0.3112,  
0.3285

■ 77.6362, 0.2659,  
0.3102

■ 100.0000, 0.3127,  
0.3290

■ 71.7995, 0.2522,  
0.3031

■ 66.5857, 0.2398,  
0.2957

■ 61.9595, 0.2290,  
0.2879

■ 57.8815, 0.2200,  
0.2800

■ 54.3068, 0.2129,  
0.2720

■ 51.1813, 0.2079,  
0.2640

■ 48.6702, 0.2047,  
0.2570

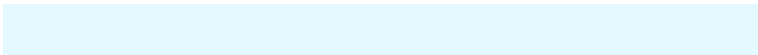
# Harmonies

## Analogous

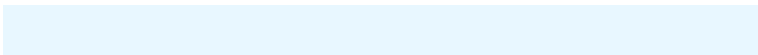
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3023, 0.2995, 0.3309



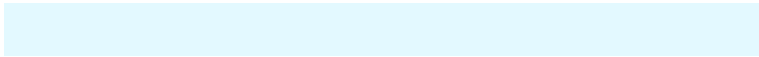
91.3023, 0.2957, 0.3229



91.3023, 0.2963, 0.3167

# Triad

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



91.3023, 0.2957, 0.3229



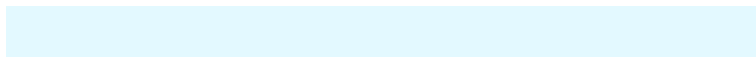
91.3023, 0.3184, 0.3197



91.3023, 0.3241, 0.3445

# Complementary

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



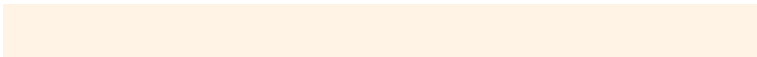
91.3023, 0.2957, 0.3229



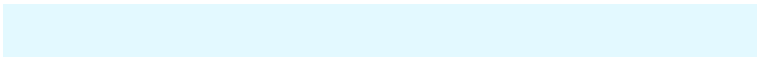
85.0969, 0.3317, 0.3350

# Split Complementary

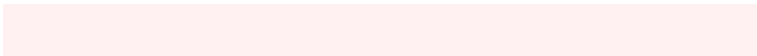
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.3023, 0.3293, 0.3412



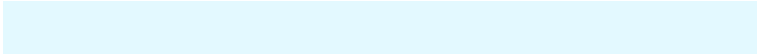
91.3023, 0.2957, 0.3229



91.3023, 0.3260, 0.3269

# Square

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



91.3023, 0.2957, 0.3229



91.3023, 0.3094, 0.3150



91.3023, 0.3301, 0.3347

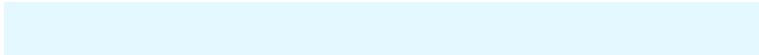


91.3023, 0.3159, 0.3436

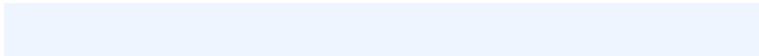


# Rectangle

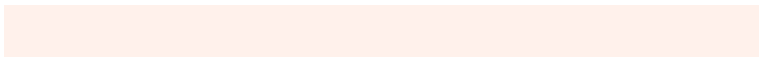
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.3023, 0.2957, 0.3229



91.3023, 0.2992, 0.3143



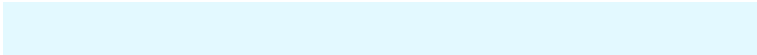
91.3023, 0.3301, 0.3347



91.3023, 0.3263, 0.3438

# Sweetspot

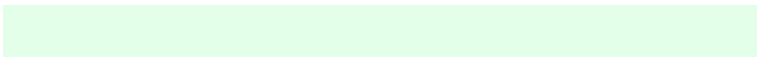
The Sweet Spot groups the original color and five complimentary colors.



91.3045, 0.2957, 0.3229



97.5354, 0.3081, 0.3274



93.7153, 0.3082, 0.3518



20.7380, 0.3068, 0.3270



0.0000, 0.0000, 0.0000

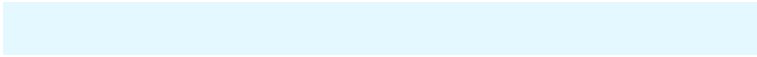


21.4041, 0.3127, 0.3290

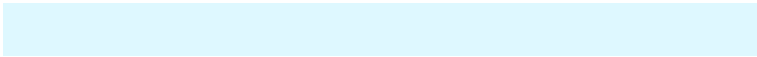


# Same Dimension

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



91.3045, 0.2957, 0.3229



89.7929, 0.2926, 0.3217



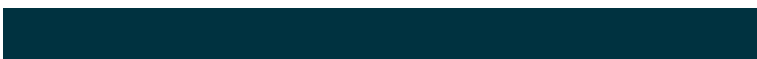
83.2079, 0.2955, 0.3090



19.7812, 0.2980, 0.3238



25.6585, 0.2051, 0.2583



2.6551, 0.2076, 0.2673



# Inverse Universe

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



83.0483, 0.3178, 0.3076



80.1934, 0.3189, 0.3035



93.0879, 0.3301, 0.3482



18.2297, 0.3171, 0.3105



13.3182, 0.3841, 0.1890

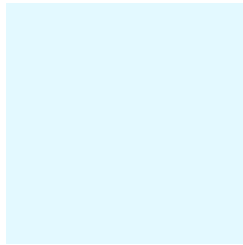


1.3126, 0.3754, 0.1842



# Previews

## White Background



This preview shows how the Yxy color 91.3023, 0.2957, 0.3229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

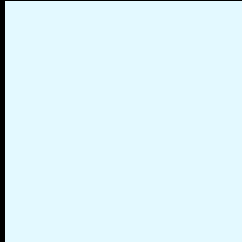
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.3023, 0.2957, 0.3229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

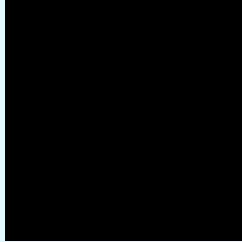
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

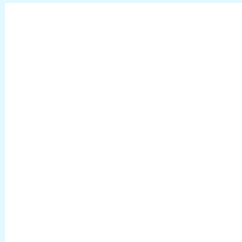
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.3023, 0.2957, 0.3229**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.3023, 0.2957, 0.3229.

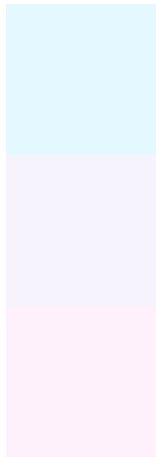


This preview shows how white text looks on a background with the Yxy color 91.3023, 0.2957, 0.3229.

# 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

91.3023, 0.2957, 0.3229

### Protanopia

90.9036, 0.3099, 0.3202

### Deuteranopia

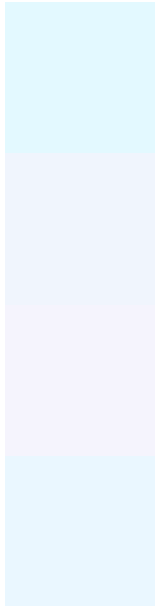
91.1989, 0.3152, 0.3184



## Tritanopia

91.3087, 0.3024, 0.3201

# Trichromacy



## Original Color

91.3023, 0.2957, 0.3229

## Protanomaly

90.9219, 0.3048, 0.3211

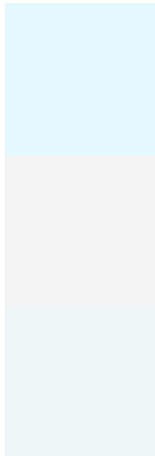
## Deuteranomaly

91.2057, 0.3080, 0.3202

## Tritanomaly

91.2340, 0.2999, 0.3210

# Monochromacy



## Original Color

91.3023, 0.2957, 0.3229

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

90.0247, 0.3064, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.3023, 0.2957, 0.3229 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(227, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 249, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 91.3023, 0.2957, 0.3229 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(227, 249, 255) }
```

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

```
.border{ border-color:rgb(227, 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(227, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 249,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.3023, 0.2957, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 249, 255) }
```

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

```
.background{ background-color: rgb(227,  
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](#).

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