

# Converting Colors

$Y_{xy}(90.2843, 0.2978, 0.3231)$

Have a look what the booklet for  
Yxy(90.2843, 0.2978, 0.3231)  
contains.

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# Color

**Yxy(90.2714, 0.2980, 0.3229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5F7FD
RGB	229, 247, 253
RGB Percent	90%, 97%, 99%
CMY	0.1019, 0.0314, 0.0077
CMYK	0.09, 0.02, 0.00, 0.01
HSL	195°, 86%, 95%
HSV	195°, 9%, 99%
XYZ	83.3102, 90.2714, 105.9829
YIQ	242.3020, -12.6540, -1.9500

# Conversions

## Conversions Part 2

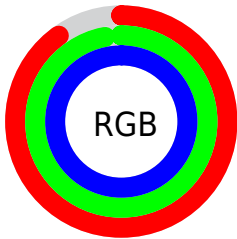
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 239, 253
Decimal	15071229
CIE Lab	96.11, -4.72, -4.92
CIE LCh	96, 6.816, 226.165
Yxy	90.2714, 0.2980, 0.3229
Android (android.graphics.Color)	4293261309 (0xFFE5F7FD)
YUV	242.3020, 5.2741, -11.6659
Hunter-Lab	95.0113, -9.7527, 0.3712

# Details

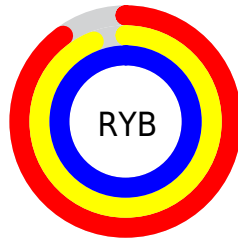
The Yxy color **90.2714, 0.2980, 0.3229** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9884, 0.3288, 0.3350**, and the grayscale version is **89.0150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1314, 0.2948, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **82.5918, 0.2826, 0.3158**, and if you desaturate by 10%, it is **98.6975, 0.3135, 0.3293**.

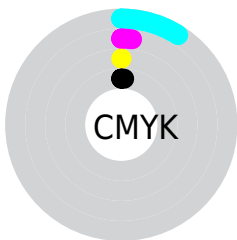
# Distribution



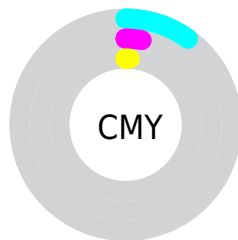
- Red (90%)
- Green (97%)
- Blue (99%)



- Red (90%)
- Yellow (94%)
- Blue (99%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)



- Cyan (10%)
- Magenta (3%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2714, 0.2980, 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 90.2714, 0.2980, 0.3229 by changing the saturation by 10% instead.



90.2714, 0.2980,  
0.3229

90.2714, 0.2980,  
0.3229

528.9133, 0.3045,  
0.3257

68.2058, 0.2966,  
0.3223

147.7153, 0.3002,  
0.3238

50.0652, 0.2948,  
0.3215

183.8624, 0.3011,  
0.3242

35.4652, 0.2927,  
0.3206

225.4721, 0.3018,  
0.3245

24.0214, 0.2899,  
0.3194

272.9288, 0.3025,  
0.3248

15.3495, 0.2863,  
0.3178

326.6168, 0.3031,  
0.3251

9.0650, 0.2814,  
0.3155

386.9207, 0.3036,

4.7836, 0.2741,

0.3253

0.3122

454.2247, 0.3041,  
0.3255

■ 2.1209, 0.2626,  
0.3066

■ 0.6763, 0.2305,  
0.2955

■ 90.2714, 0.2980,  
0.3229

■ 90.2714, 0.2980,  
0.3229

■ 82.5918, 0.2826,  
0.3158

■ 98.6975, 0.3135,  
0.3293

■ 75.6201, 0.2677,  
0.3082

■ 99.8736, 0.3139,  
0.3309

■ 69.3305, 0.2535,  
0.2999

■ 63.6916, 0.2405,  
0.2911

■ 58.6685, 0.2289,  
0.2820

■ 54.2229, 0.2191,  
0.2726

■ 50.3109, 0.2112,  
0.2631

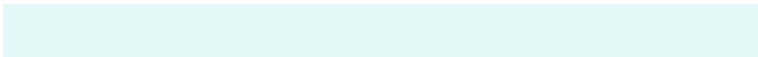
■ 46.8807, 0.2053,  
0.2536

■ 43.8526, 0.2013,  
0.2443

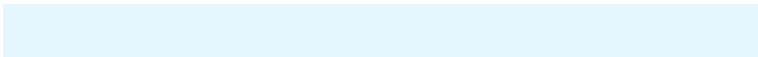
# Harmonies

## Analogous

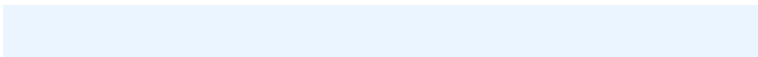
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2714, 0.3008, 0.3296



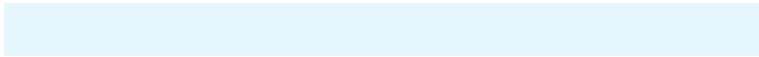
90.2714, 0.2980, 0.3229



90.2714, 0.2991, 0.3179

# Triad

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



90.2714, 0.2980, 0.3229



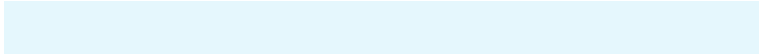
90.2714, 0.3187, 0.3219



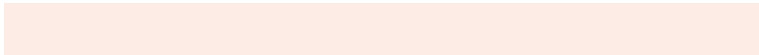
90.2714, 0.3215, 0.3423

# Complementary

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



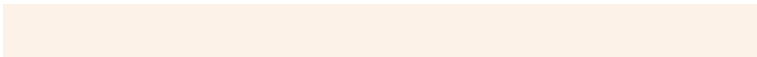
90.2714, 0.2980, 0.3229



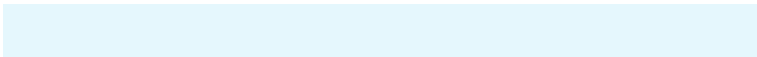
85.9884, 0.3288, 0.3350

# Split Complementary

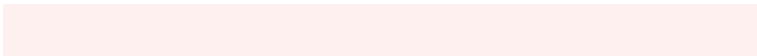
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2714, 0.3265, 0.3400



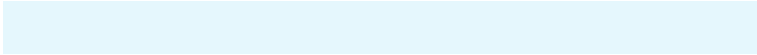
90.2714, 0.2980, 0.3229



90.2714, 0.3248, 0.3282

# Square

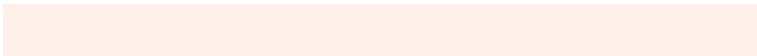
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



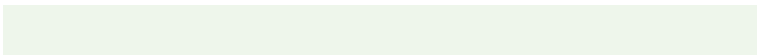
90.2714, 0.2980, 0.3229



90.2714, 0.3110, 0.3174



90.2714, 0.3277, 0.3348

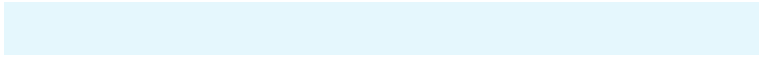


90.2714, 0.3143, 0.3410



# Rectangle

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



90.2714, 0.2980, 0.3229



90.2714, 0.3019, 0.3162



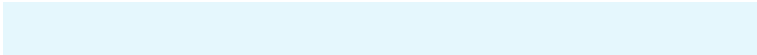
90.2714, 0.3277, 0.3348



90.2714, 0.3235, 0.3419

# Sweetspot

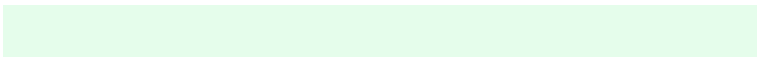
The Sweet Spot groups the original color and five complimentary colors.



90.2752, 0.2980, 0.3229



97.3585, 0.3081, 0.3271



92.9277, 0.3081, 0.3473



20.6901, 0.3068, 0.3266



0.0000, 0.0000, 0.0000

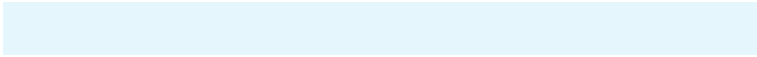


21.4041, 0.3127, 0.3290

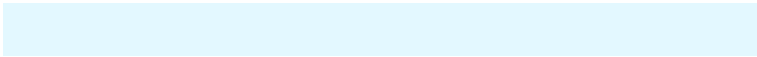


# Same Dimension

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



90.2752, 0.2980, 0.3229



90.6514, 0.2957, 0.3219



83.1822, 0.2979, 0.3107



19.6636, 0.2980, 0.3229



23.4875, 0.2015, 0.2454



2.4604, 0.2045, 0.2560



# Inverse Universe

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



83.6511, 0.3177, 0.3114



82.9455, 0.3185, 0.3085



93.0824, 0.3275, 0.3467



18.2179, 0.3177, 0.3114



13.0990, 0.3969, 0.1960

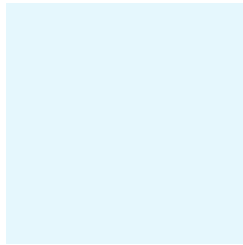


1.2929, 0.3863, 0.1902



# Previews

## White Background



This preview shows how the Yxy color 90.2714, 0.2980, 0.3229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

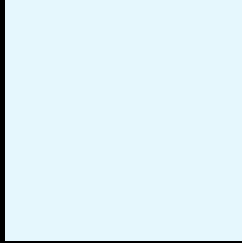
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.2714, 0.2980, 0.3229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

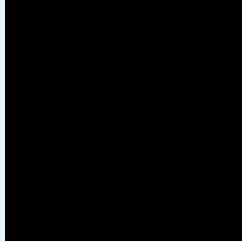
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

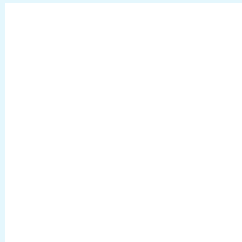
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.2714, 0.2980, 0.3229**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.2714, 0.2980, 0.3229.

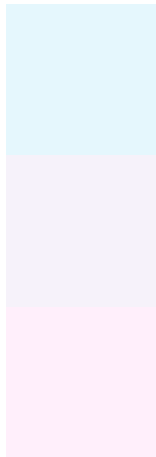


This preview shows how white text looks on a background with the Yxy color 90.2714, 0.2980, 0.3229.

# 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

90.2714, 0.2980, 0.3229

### Protanopia

89.9992, 0.3105, 0.3211

### Deuteranopia

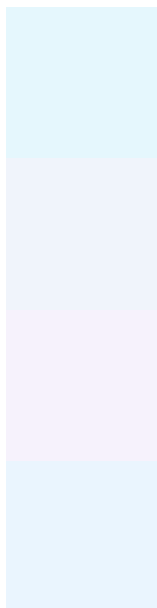
89.9580, 0.3159, 0.3174



## Tritanopia

89.9259, 0.3018, 0.3181

# Trichromacy



## Original Color

90.2714, 0.2980, 0.3229

## Protanomaly

90.1917, 0.3060, 0.3221

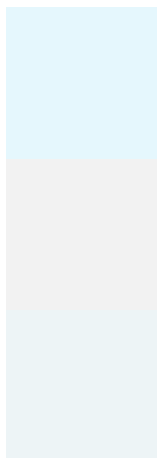
## Deuteranomaly

90.1254, 0.3093, 0.3192

## Tritanomaly

89.9530, 0.3005, 0.3200

# Monochromacy



## Original Color

90.2714, 0.2980, 0.3229

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

89.3597, 0.3070, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  90.2714, 0.2980, 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(229, 247, 253)` looks like.

```
.text, #text, p{  
    color:rgb(229, 247, 253)  
}
```

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(229, 247, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 247, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 90.2714, 0.2980, 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(229, 247, 253) }
```

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

```
.border{ border-color:rgb(229, 247, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 247, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 247, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 247, 253);  
box-shadow:4px 4px 4px 4px rgb(229, 247,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.2714, 0.2980, 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(229, 247, 253) }
```

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

```
.background{ background-color: rgb(229,  
247, 253) }
```

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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