

# Converting Colors

Yxy(90.4598, 0.3058, 0.3280)

Have a look what the booklet for  
Yxy(90.4598, 0.3058, 0.3280)  
contains.

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# Color

**Yxy(90.4598, 0.3058, 0.3280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF6F7
RGB	236, 246, 247
RGB Percent	93%, 96%, 97%
CMY	0.0744, 0.0353, 0.0314
CMYK	0.04, 0.00, 0.00, 0.03
HSL	185°, 41%, 95%
HSV	185°, 4%, 97%
XYZ	84.3372, 90.4598, 100.9951
YIQ	243.1240, -6.2810, -1.8090

# Conversions

## Conversions Part 2

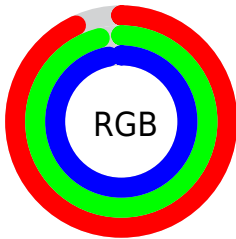
Format	Color
R <sub>Y</sub> B	236, 241, 247
Decimal	15529719
CIE Lab	96.19, -3.10, -1.62
CIE LCh	96, 3.498, 207.642
Yxy	90.4598, 0.3058, 0.3280
Android (android.graphics.Color)	4293719799 (0xFFE6CF6F7)
YUV	243.1240, 1.9109, -6.2477
Hunter-Lab	95.1104, -8.1618, 3.6188

# Details

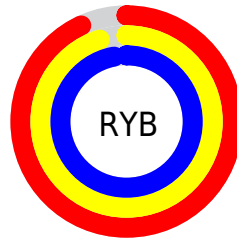
The Yxy color **90.4598, 0.3058, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.3924, 0.3200, 0.3300**, and the grayscale version is **89.7231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2918, 0.3039, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **85.1919, 0.2906, 0.3256**, and if you desaturate by 10%, it is **95.2361, 0.3178, 0.3302**.

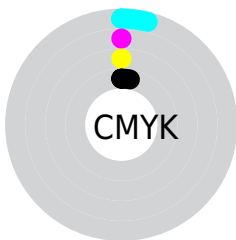
# Distribution



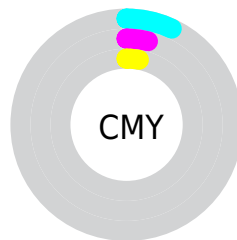
- Red (93%)
- Green (96%)
- Blue (97%)



- Red (93%)
- Yellow (95%)
- Blue (97%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (7%)
- Magenta (4%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4598, 0.3058, 0.3280 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 90.4598, 0.3058, 0.3280 by changing the saturation by 10% instead.




 90.4598, 0.3058,  
0.3280

 90.4598, 0.3058,  
0.3280


529.5254, 0.3089,  
0.3285

 68.3621, 0.3051,  
0.3279


147.9769, 0.3068,  
0.3282

 50.1923, 0.3043,  
0.3278


184.1651, 0.3073,  
0.3282

 35.5663, 0.3033,  
0.3276


225.8188, 0.3076,  
0.3283

 24.0994, 0.3020,  
0.3274

273.3226, 0.3079,  
0.3283

 15.4074, 0.3003,  
0.3271

327.0607, 0.3082,  
0.3284

 9.1058, 0.2979,  
0.3267

387.4177, 0.3085,

 4.8102, 0.2944,

0.3284

0.3262

454.7778, 0.3087,  
0.3284

■ 2.1364, 0.2888,  
0.3252

■ 0.6850, 0.2715,  
0.3232

■ 90.4598, 0.3058,  
0.3280

■ 90.4598, 0.3058,  
0.3280

■ 85.1919, 0.2906,  
0.3256

■ 95.2361, 0.3178,  
0.3302

■ 80.4967, 0.2762,  
0.3230

■ 96.6000, 0.3176,  
0.3323

■ 76.3526, 0.2628,  
0.3202

■ 97.9799, 0.3175,  
0.3344

■ 72.7320, 0.2508,  
0.3173

■ 99.3758, 0.3174,  
0.3365

69.6050, 0.2404,  
0.3143

99.4943, 0.3174,  
0.3367

66.9386, 0.2319,  
0.3112

64.6955, 0.2253,  
0.3081

62.8324, 0.2206,  
0.3050

61.2965, 0.2178,  
0.3020

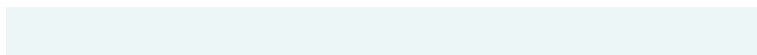
# Harmonies

## Analogous

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



90.4598, 0.3083, 0.3315



90.4598, 0.3058, 0.3280



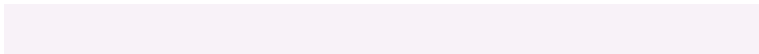
90.4598, 0.3051, 0.3248

# Triad

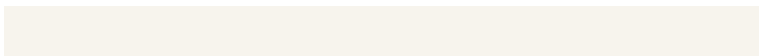
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4598, 0.3058, 0.3280



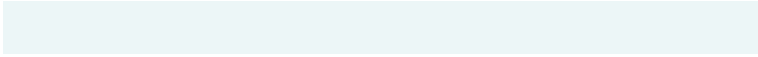
90.4598, 0.3134, 0.3238



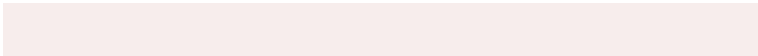
90.4598, 0.3190, 0.3353

# Complementary

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



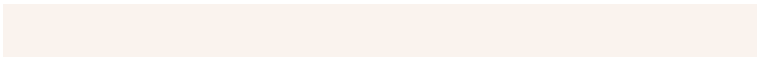
90.4598, 0.3058, 0.3280



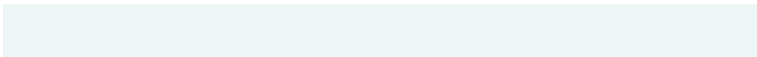
86.3924, 0.3200, 0.3300

# Split Complementary

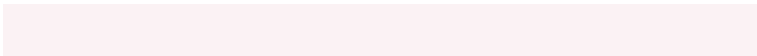
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4598, 0.3204, 0.3332



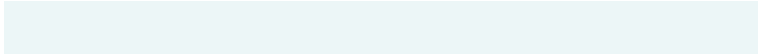
90.4598, 0.3058, 0.3280



90.4598, 0.3171, 0.3265

# Square

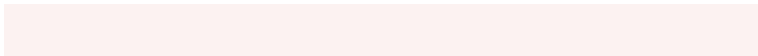
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.4598, 0.3058, 0.3280



90.4598, 0.3095, 0.3224



90.4598, 0.3197, 0.3300



90.4598, 0.3159, 0.3358

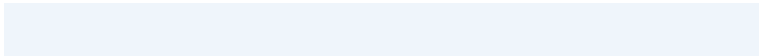


# Rectangle

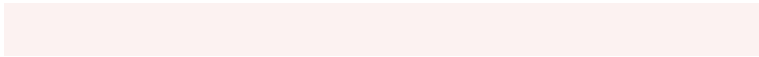
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



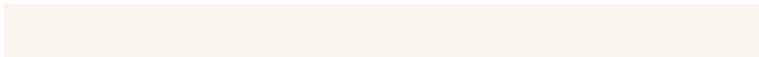
90.4598, 0.3058, 0.3280



90.4598, 0.3058, 0.3232



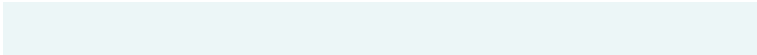
90.4598, 0.3197, 0.3300



90.4598, 0.3197, 0.3348

# Sweetspot

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



90.4636, 0.3058, 0.3280



99.3746, 0.3111, 0.3288



90.4562, 0.3117, 0.3391



21.2768, 0.3112, 0.3288



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

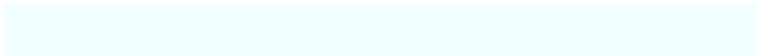


# Same Dimension

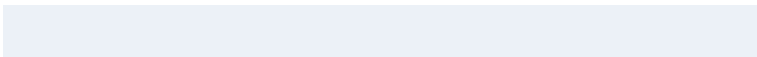
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4636, 0.3058, 0.3280



96.9382, 0.3049, 0.3279



87.2148, 0.3059, 0.3226



18.9203, 0.3039, 0.3277



32.1322, 0.2169, 0.3008



2.8968, 0.2180, 0.3046



# Inverse Universe

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



86.4246, 0.3138, 0.3191



92.0602, 0.3140, 0.3179



89.5779, 0.3196, 0.3354



17.8399, 0.3142, 0.3163



13.3431, 0.3447, 0.1673

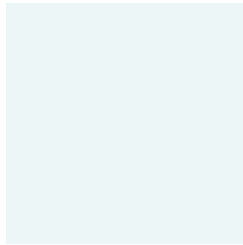


1.1801, 0.3414, 0.1654



# Previews

## White Background



This preview shows how the Yxy color 90.4598, 0.3058, 0.3280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

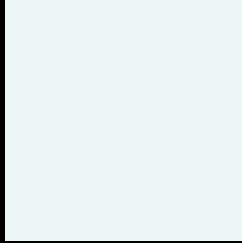
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.4598, 0.3058, 0.3280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

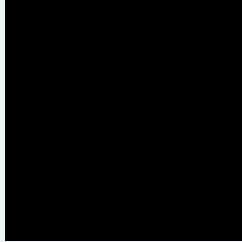
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

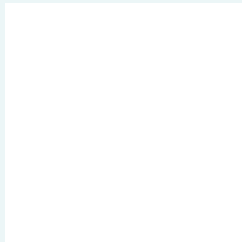
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.4598, 0.3058, 0.3280**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.4598, 0.3058, 0.3280.

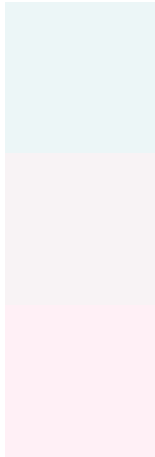


This preview shows how white text looks on a background with the Yxy color 90.4598, 0.3058, 0.3280.

# 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

90.4598, 0.3058, 0.3280

### Protanopia

90.6502, 0.3148, 0.3270

### Deuteranopia

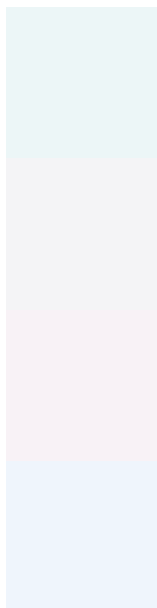
90.2340, 0.3189, 0.3232



## Tritanopia

90.6221, 0.3043, 0.3182

# Trichromacy



## Original Color

90.4598, 0.3058, 0.3280

## Protanomaly

90.5883, 0.3115, 0.3270

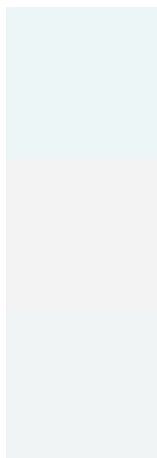
## Deuteranomaly

90.1145, 0.3142, 0.3251

## Tritanomaly

90.6838, 0.3048, 0.3221

# Monochromacy



## Original Color

90.4598, 0.3058, 0.3280

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.7583, 0.3101, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.4598, 0.3058, 0.3280 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(236, 246, 247)` looks like.

```
.text, #text, p{  
    color:rgb(236, 246, 247)  
}
```

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(236, 246, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 246, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 90.4598, 0.3058, 0.3280 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(236, 246, 247) }
```

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

```
.border{ border-color:rgb(236, 246, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 246, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 246, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 246, 247);  
box-shadow:4px 4px 4px 4px rgb(236, 246,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.4598, 0.3058, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 246, 247) }
```

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

```
.background{ background-color: rgb(236,  
246, 247) }
```

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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