

# Converting Colors

Yxy(90.4627, 0.3068, 0.3265)

Have a look what the booklet for  
Yxy(90.4627, 0.3068, 0.3265)  
contains.

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# Color

**Yxy(90.2593, 0.3065, 0.3260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF5F8
RGB	238, 245, 248
RGB Percent	93%, 96%, 97%
CMY	0.0666, 0.0392, 0.0275
CMYK	0.04, 0.01, 0.00, 0.03
HSL	198°, 42%, 95%
HSV	198°, 4%, 97%
XYZ	84.8604, 90.2593, 101.7494
YIQ	243.2490, -5.1350, -0.5510

# Conversions

## Conversions Part 2

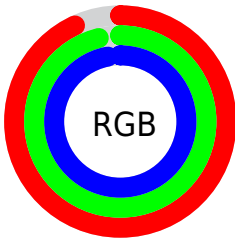
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 242, 248
Decimal	15660536
CIE Lab	96.10, -1.75, -2.25
CIE LCh	96, 2.850, 232.135
Yxy	90.2593, 0.3065, 0.3260
Android (android.graphics.Color)	4293850616 (0xFFEEF5F8)
YUV	243.2490, 2.3422, -4.6034
Hunter-Lab	95.0049, -6.8186, 3.0044

# Details

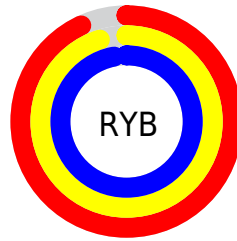
The Yxy color 90.2593, 0.3065, 0.3260 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.0513, 0.3191, 0.3320, and the grayscale version is 89.8252, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.1460, 0.3048, 0.3252 is the 20% darker color. If you saturate the color by 10%, you get 81.8457, 0.2910, 0.3180, and if you desaturate by 10%, it is 97.9389, 0.3169, 0.3333.

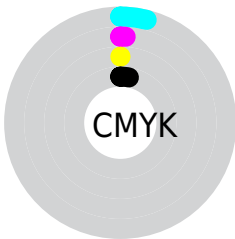
# Distribution



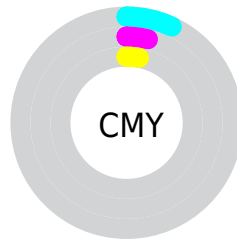
- Red (93%)
- Green (96%)
- Blue (97%)



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



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2593, 0.3065, 0.3260 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 90.2593, 0.3065, 0.3260 by changing the saturation by 10% instead.



90.2593, 0.3065,  
0.3260

90.2593, 0.3065,  
0.3260

528.8740, 0.3093,  
0.3274

68.1957, 0.3059,  
0.3257

147.6985, 0.3074,  
0.3265

50.0570, 0.3052,  
0.3253

183.8430, 0.3078,  
0.3266

35.4587, 0.3042,  
0.3249

225.4498, 0.3081,  
0.3268

24.0164, 0.3031,  
0.3243

272.9034, 0.3084,  
0.3269

15.3458, 0.3015,  
0.3235

326.5883, 0.3087,  
0.3271

9.0624, 0.2994,  
0.3225

386.8887, 0.3089,

4.7819, 0.2962,

0.3272

0.3209

454.1892, 0.3091,  
0.3273

■ 2.1199, 0.2912,  
0.3183

■ 0.6758, 0.2765,  
0.3116

■ 90.2593, 0.3065,  
0.3260

■ 90.2593, 0.3065,  
0.3260

■ 81.8457, 0.2910,  
0.3180

■ 97.9389, 0.3169,  
0.3333

■ 74.1749, 0.2756,  
0.3092

■ 99.5569, 0.3168,  
0.3357

■ 67.2227, 0.2606,  
0.2996

■ 60.9595, 0.2464,  
0.2893

■ 55.3529, 0.2333,  
0.2785

■ 50.3675, 0.2218,  
0.2672

■ 45.9636, 0.2121,  
0.2557

■ 42.0956, 0.2044,  
0.2442

■ 38.7080, 0.1988,  
0.2328

# Harmonies

## Analogous

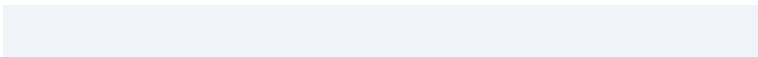
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2593, 0.3073, 0.3287



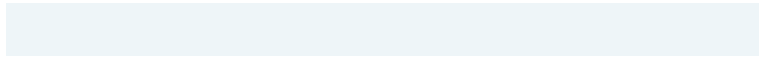
90.2593, 0.3065, 0.3260



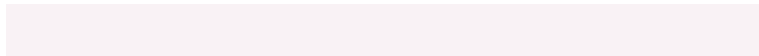
90.2593, 0.3073, 0.3241

# Triad

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



90.2593, 0.3065, 0.3260



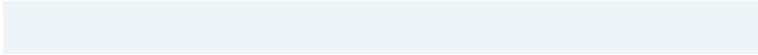
90.2593, 0.3158, 0.3265



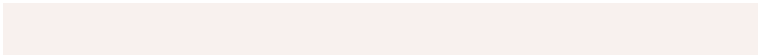
90.2593, 0.3159, 0.3346

# Complementary

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



90.2593, 0.3065, 0.3260



89.0513, 0.3191, 0.3320

# Split Complementary

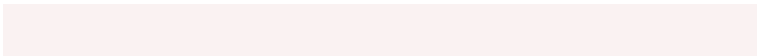
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2593, 0.3182, 0.3339



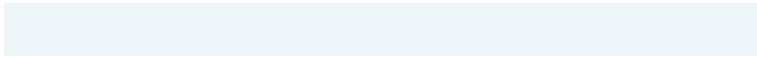
90.2593, 0.3065, 0.3260



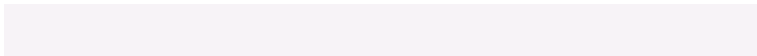
90.2593, 0.3181, 0.3293

# Square

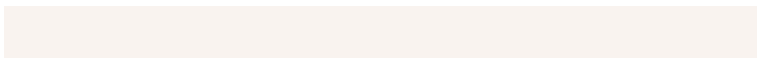
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



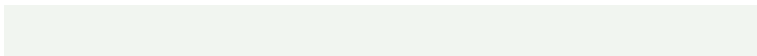
90.2593, 0.3065, 0.3260



90.2593, 0.3127, 0.3244



90.2593, 0.3190, 0.3320



90.2593, 0.3128, 0.3337

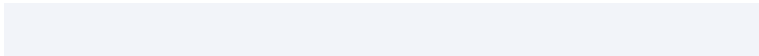


# Rectangle

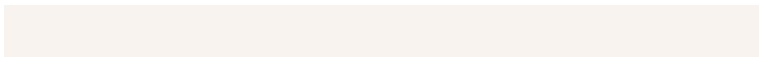
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.2593, 0.3065, 0.3260



90.2593, 0.3087, 0.3236



90.2593, 0.3190, 0.3320



90.2593, 0.3168, 0.3345

# Sweetspot

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



90.2631, 0.3065, 0.3260



99.0320, 0.3112, 0.3283



91.6640, 0.3105, 0.3360



21.2071, 0.3112, 0.3283



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.



90.2631, 0.3065, 0.3260



95.2429, 0.3050, 0.3252



87.2896, 0.3066, 0.3210



19.3840, 0.3039, 0.3247



20.1728, 0.1966, 0.2279



2.0539, 0.2004, 0.2414



# Inverse Universe

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



87.7115, 0.3150, 0.3221



91.8890, 0.3156, 0.3204



92.0411, 0.3188, 0.3369



18.6071, 0.3160, 0.3192



12.4474, 0.4149, 0.2059

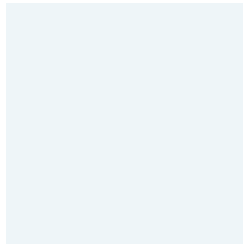


1.1716, 0.4009, 0.1982



# Previews

## White Background



This preview shows how the Yxy color 90.2593, 0.3065, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

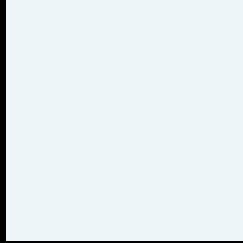
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.2593, 0.3065, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

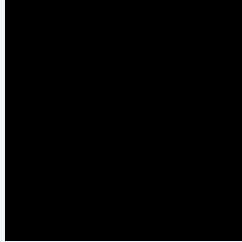
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

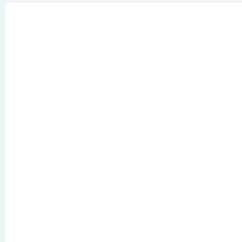
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.2593, 0.3065, 0.3260**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.2593, 0.3065, 0.3260.

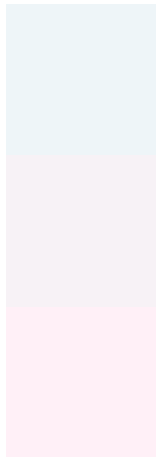


This preview shows how white text looks on a background with the Yxy color 90.2593, 0.3065, 0.3260.

# 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

90.2593, 0.3065, 0.3260

### Protanopia

89.9322, 0.3136, 0.3251

### Deuteranopia

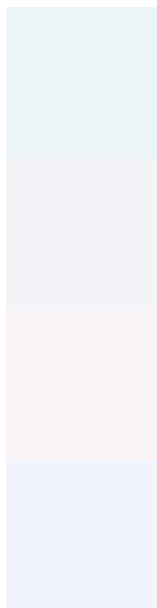
90.2956, 0.3183, 0.3222



## Tritanopia

90.1984, 0.3050, 0.3172

# Trichromacy



## Original Color

90.2593, 0.3065, 0.3260

## Protanomaly

90.0497, 0.3110, 0.3250

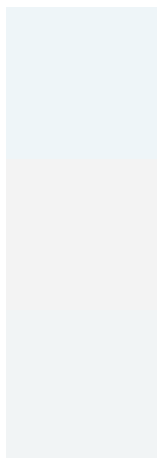
## Deuteranomaly

90.3594, 0.3142, 0.3241

## Tritanomaly

90.4304, 0.3061, 0.3211

# Monochromacy



## Original Color

90.2593, 0.3065, 0.3260

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.9947, 0.3102, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.2593, 0.3065, 0.3260 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(238, 245, 248)` looks like.

```
.text, #text, p{  
    color:rgb(238, 245, 248)  
}
```

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(238, 245, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 245, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 90.2593, 0.3065, 0.3260 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(238, 245, 248) }
```

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

```
.border{ border-color:rgb(238, 245, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 245, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 245, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 245, 248);  
box-shadow:4px 4px 4px 4px rgb(238, 245,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.2593, 0.3065, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 245, 248) }
```

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

```
.background{ background-color: rgb(238,  
245, 248) }
```

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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