

# Converting Colors

Yxy(86.5981, 0.3051, 0.3259)

Have a look what the booklet for  
Yxy(86.5981, 0.3051, 0.3259)  
contains.

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# Color

**Yxy(86.5981, 0.3051, 0.3259)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8F1F4
RGB	232, 241, 244
RGB Percent	91%, 95%, 96%
CMY	0.0901, 0.0549, 0.0430
CMYK	0.05, 0.01, 0.00, 0.04
HSL	195°, 35%, 93%
HSV	195°, 5%, 96%
XYZ	81.0711, 86.5981, 98.0506
YIQ	238.6510, -6.3270, -0.9750

# Conversions

## Conversions Part 2

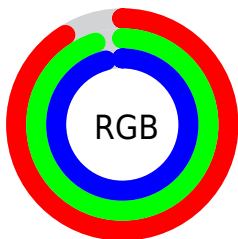
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 237, 244
Decimal	15266292
CIE Lab	94.57, -2.40, -2.50
CIE LCh	95, 3.467, 226.168
Yxy	86.5981, 0.3051, 0.3259
Android (android.graphics.Color)	4293456372 (0xFFE8F1F4)
YUV	238.6510, 2.6371, -5.8329
Hunter-Lab	93.0581, -7.3446, 2.6698

# Details

The Yxy color **86.5981, 0.3051, 0.3259** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.5119, 0.3207, 0.3321**, and the grayscale version is **86.0196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5589, 0.3030, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **79.2122, 0.2897, 0.3191**, and if you desaturate by 10%, it is **94.4105, 0.3196, 0.3320**.

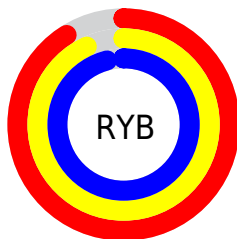
# Distribution



Red (91%)

Green (95%)

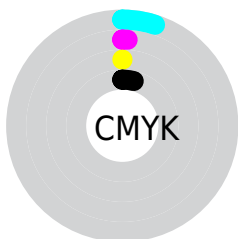
Blue (96%)



Red (91%)

Yellow (93%)

Blue (96%)

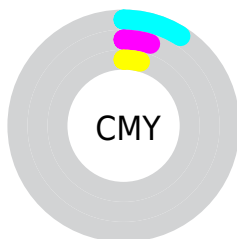


Cyan (5%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (9%)

Magenta (5%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5981, 0.3051, 0.3259 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 86.5981, 0.3051, 0.3259 by changing the saturation by 10% instead.



86.5981, 0.3051,  
0.3259

86.5981, 0.3051,  
0.3259

516.9013, 0.3085,  
0.3273

65.1627, 0.3043,  
0.3256

142.6038, 0.3063,  
0.3264

47.5930, 0.3034,  
0.3252

177.9429, 0.3067,  
0.3266

33.5047, 0.3023,  
0.3247

218.6853, 0.3071,  
0.3267

22.5133, 0.3008,  
0.3241

265.2155, 0.3075,  
0.3269

14.2346, 0.2989,  
0.3233

317.9178, 0.3078,  
0.3270

8.2840, 0.2961,  
0.3221

377.1766, 0.3080,

4.2772, 0.2921,

0.3271

443.3763, 0.3083,  
0.3272

0.3203

1.8298, 0.2855,  
0.3174

0.5056, 0.2553,  
0.3059

86.5981, 0.3051,  
0.3259

86.5981, 0.3051,  
0.3259

79.2122, 0.2897,  
0.3191

94.4105, 0.3196,  
0.3320

72.4884, 0.2745,  
0.3117

98.2432, 0.3192,  
0.3379

66.4045, 0.2600,  
0.3036

99.3133, 0.3191,  
0.3395

60.9325, 0.2464,  
0.2951

■ 56.0419, 0.2341,  
0.2861

■ 51.6993, 0.2234,  
0.2767

■ 47.8670, 0.2146,  
0.2672

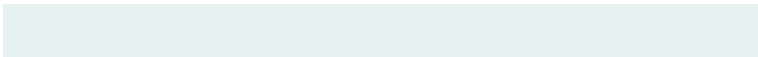
■ 44.5015, 0.2078,  
0.2577

■ 41.5496, 0.2029,  
0.2483

# Harmonies

## Analogous

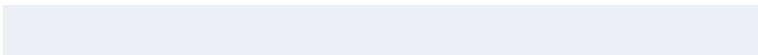
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5981, 0.3065, 0.3294



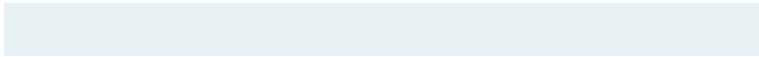
86.5981, 0.3051, 0.3259



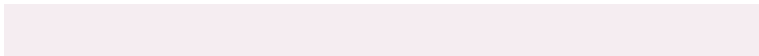
86.5981, 0.3057, 0.3233

# Triad

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



86.5981, 0.3051, 0.3259



86.5981, 0.3158, 0.3253



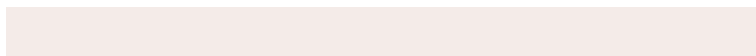
86.5981, 0.3173, 0.3359

# Complementary

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



86.5981, 0.3051, 0.3259



84.5119, 0.3207, 0.3321

# Split Complementary

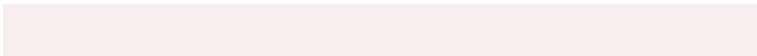
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5981, 0.3198, 0.3347



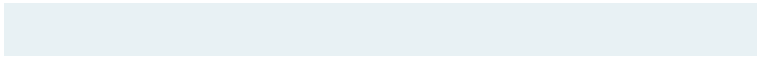
86.5981, 0.3051, 0.3259



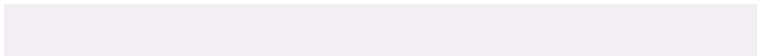
86.5981, 0.3189, 0.3286

# Square

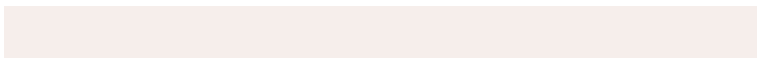
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



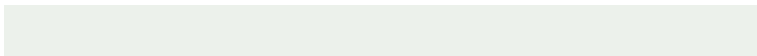
86.5981, 0.3051, 0.3259



86.5981, 0.3119, 0.3230



86.5981, 0.3204, 0.3321



86.5981, 0.3136, 0.3351



# Rectangle

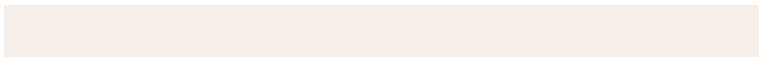
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



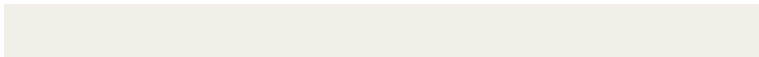
86.5981, 0.3051, 0.3259



86.5981, 0.3072, 0.3224



86.5981, 0.3204, 0.3321



86.5981, 0.3183, 0.3357

# Sweetspot

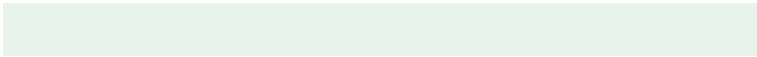
The Sweet Spot groups the original color and five complimentary colors.



86.6018, 0.3051, 0.3259



99.1096, 0.3112, 0.3284



87.8768, 0.3104, 0.3382



21.2229, 0.3112, 0.3284



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

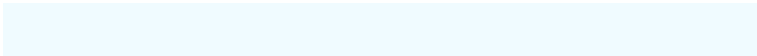


# Same Dimension

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



86.6018, 0.3051, 0.3259



94.7737, 0.3034, 0.3252



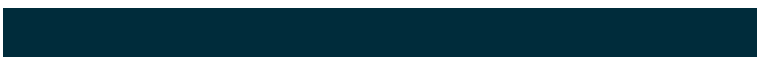
83.1228, 0.3052, 0.3198



18.4714, 0.3024, 0.3248



22.0653, 0.2014, 0.2451



2.1022, 0.2047, 0.2568



# Inverse Universe

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



83.3143, 0.3152, 0.3200



90.3775, 0.3158, 0.3180



87.9914, 0.3202, 0.3380



17.5254, 0.3161, 0.3168



12.3269, 0.3972, 0.1962

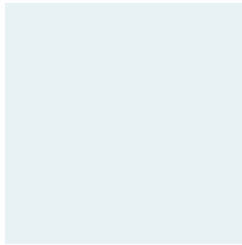


1.0998, 0.3855, 0.1897



# Previews

## White Background



This preview shows how the Yxy color 86.5981, 0.3051, 0.3259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

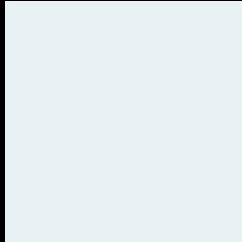
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.5981, 0.3051, 0.3259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

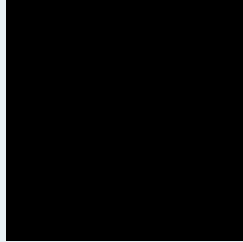
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

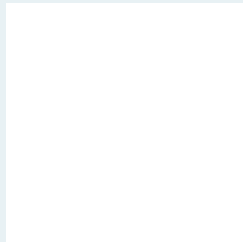
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.5981, 0.3051, 0.3259**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.5981, 0.3051, 0.3259.

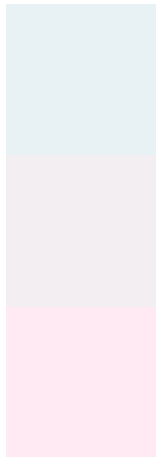


This preview shows how white text looks on a background with the Yxy color 86.5981, 0.3051, 0.3259.

# 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

86.5981, 0.3051, 0.3259

### Protanopia

86.4371, 0.3129, 0.3250

### Deuteranopia

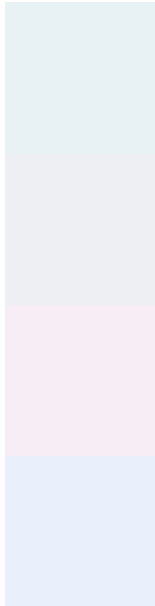
86.6373, 0.3206, 0.3193



## Tritanopia

86.6152, 0.3006, 0.3130

# Trichromacy



## Original Color

86.5981, 0.3051, 0.3259

## Protanomaly

86.3812, 0.3096, 0.3250

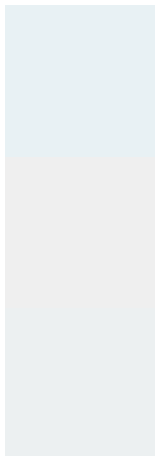
## Deuteranomaly

86.8742, 0.3150, 0.3221

## Tritanomaly

86.7776, 0.3023, 0.3179

# Monochromacy



## Original Color

86.5981, 0.3051, 0.3259

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.5039, 0.3095, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.5981, 0.3051, 0.3259 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(232, 241, 244)` looks like.

```
.text, #text, p{  
    color:rgb(232, 241, 244)  
}
```

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(232, 241, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 241, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 86.5981, 0.3051, 0.3259 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(232, 241, 244) }
```

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

```
.border{ border-color:rgb(232, 241, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 241, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 241, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 241, 244);  
box-shadow:4px 4px 4px 4px rgb(232, 241,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.5981, 0.3051, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 241, 244) }
```

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

```
.background{ background-color: rgb(232,  
241, 244) }
```

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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