

# Converting Colors

Yxy(84.7292, 0.3044, 0.3330)

Have a look what the booklet for  
Yxy(84.7292, 0.3044, 0.3330)  
contains.

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# Color

**Yxy(84.8723, 0.3041, 0.3331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0F1ED
RGB	224, 241, 237
RGB Percent	88%, 95%, 93%
CMY	0.1216, 0.0549, 0.0705
CMYK	0.07, 0.00, 0.02, 0.05
HSL	166°, 38%, 91%
HSV	166°, 7%, 95%
XYZ	77.4832, 84.8723, 92.4397
YIQ	235.4610, -8.8480, -4.8480

# Conversions

## Conversions Part 2

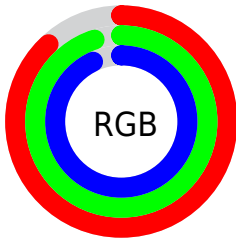
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 234, 241
Decimal	14741997
CIELab	93.83, -6.31, -0.02
CIELCh	94, 6.315, 180.175
Yxy	84.8723, 0.3041, 0.3331
Android (android.graphics.Color)	4292932077 (0xFFE0F1ED)
YUV	235.4610, 0.7587, -10.0513
Hunter-Lab	92.1262, -11.0923, 4.9965

# Details

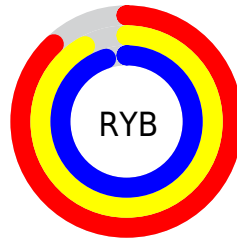
The Yxy color **84.8723, 0.3041, 0.3331** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.6096, 0.3221, 0.3249**, and the grayscale version is **83.4492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4691, 0.3026, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **80.9701, 0.2923, 0.3394**, and if you desaturate by 10%, it is **89.3378, 0.3164, 0.3274**.

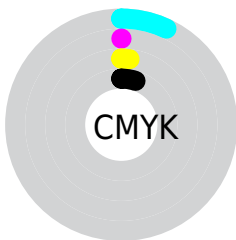
# Distribution



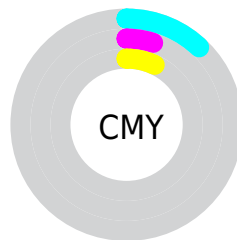
- Red (88%)
- Green (95%)
- Blue (93%)



- Red (88%)
- Yellow (92%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (12%)
- Magenta (5%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8723, 0.3041, 0.3331 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 84.8723, 0.3041, 0.3331 by changing the saturation by 10% instead.



■ 84.8723, 0.3041,  
0.3331

■ 84.8723, 0.3041,  
0.3331

511.2054, 0.3080,  
0.3313

■ 63.7359, 0.3032,  
0.3335

140.1947, 0.3054,  
0.3325

■ 46.4368, 0.3022,  
0.3340

175.1496, 0.3059,  
0.3322

■ 32.5906, 0.3009,  
0.3346

215.4793, 0.3064,  
0.3320

■ 21.8130, 0.2992,  
0.3354

261.5683, 0.3068,  
0.3318

■ 13.7196, 0.2969,  
0.3365

313.8010, 0.3071,  
0.3317

■ 7.9259, 0.2937,  
0.3380

372.5619, 0.3075,

■ 4.0476, 0.2890,

0.3315

438.2352, 0.3077,  
0.3314

0.3402

1.7002, 0.2811,  
0.3440

0.4238, 0.2190,  
0.3733

84.8723, 0.3041,  
0.3331

84.8723, 0.3041,  
0.3331

80.9701, 0.2923,  
0.3394

89.3378, 0.3164,  
0.3274

77.5974, 0.2812,  
0.3463

90.9691, 0.3174,  
0.3220

74.7334, 0.2712,  
0.3538

91.3246, 0.3140,  
0.3166

72.3515, 0.2625,  
0.3618

91.3934, 0.3133,  
0.3156

■ 70.4228, 0.2554,  
0.3701

■ 68.9153, 0.2501,  
0.3787

■ 67.7925, 0.2469,  
0.3874

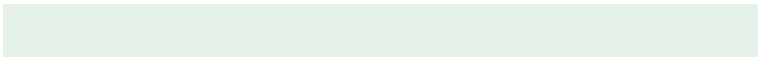
■ 67.0119, 0.2456,  
0.3962

■ 66.5184, 0.2461,  
0.4048

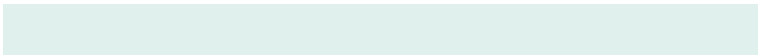
# Harmonies

## Analogous

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



84.8723, 0.3108, 0.3386



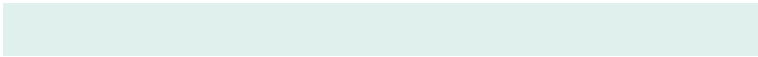
84.8723, 0.3041, 0.3331



84.8723, 0.2997, 0.3265

# Triad

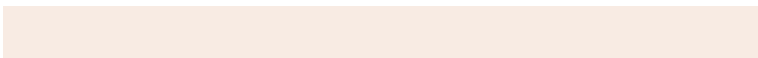
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8723, 0.3041, 0.3331



84.8723, 0.3073, 0.3169



84.8723, 0.3268, 0.3371

# Complementary

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



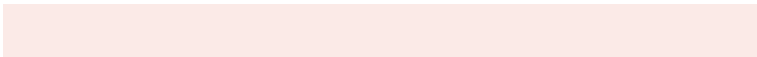
84.8723, 0.3041, 0.3331



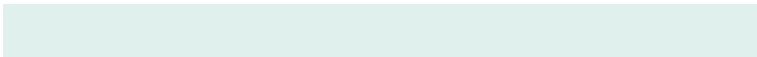
77.6096, 0.3221, 0.3249

# 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.



84.8723, 0.3259, 0.3313



84.8723, 0.3041, 0.3331



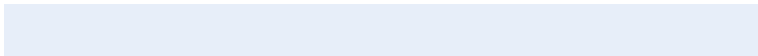
84.8723, 0.3146, 0.3197

# Square

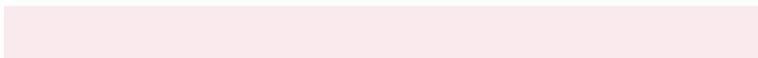
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



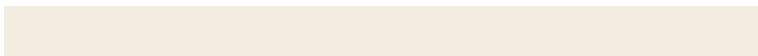
84.8723, 0.3041, 0.3331



84.8723, 0.3016, 0.3173



84.8723, 0.3214, 0.3249

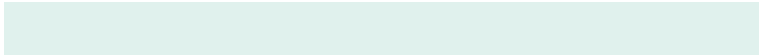


84.8723, 0.3239, 0.3408



# Rectangle

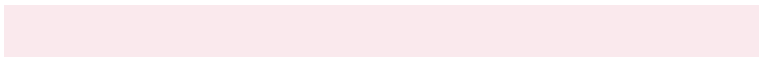
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



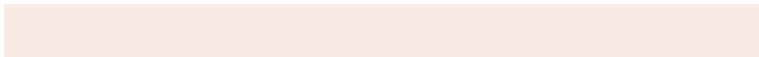
84.8723, 0.3041, 0.3331



84.8723, 0.2987, 0.3225



84.8723, 0.3214, 0.3249



84.8723, 0.3269, 0.3353

# Sweetspot

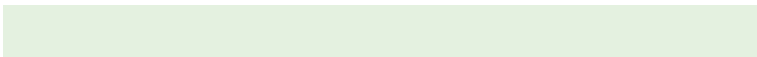
The Sweet Spot groups the original color and five complimentary colors.



84.8759, 0.3041, 0.3331



98.9690, 0.3102, 0.3301



84.8293, 0.3147, 0.3467



21.1942, 0.3104, 0.3301



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.



84.8759, 0.3041, 0.3331



96.0308, 0.3029, 0.3337



82.6225, 0.3018, 0.3246



17.8621, 0.3012, 0.3346



36.0288, 0.2461, 0.4060



3.0124, 0.2429, 0.3945



# Inverse Universe

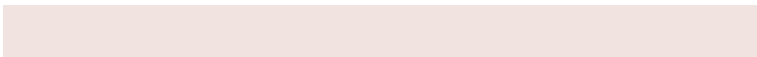
The Inverse Universe completely reimagines the original color for something new.



77.6096, 0.3221, 0.3249



86.7016, 0.3235, 0.3244



79.7058, 0.3244, 0.3334



15.8194, 0.3256, 0.3235



10.3148, 0.5979, 0.3067

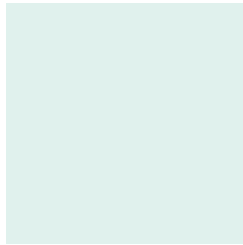


0.8730, 0.5614, 0.2866



# Previews

## White Background



This preview shows how the Yxy color 84.8723, 0.3041, 0.3331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

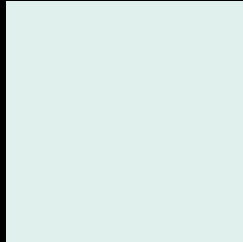
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8723, 0.3041, 0.3331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

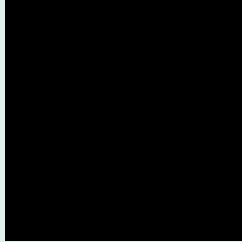
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

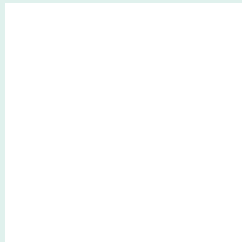
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.8723, 0.3041, 0.3331**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8723, 0.3041, 0.3331.

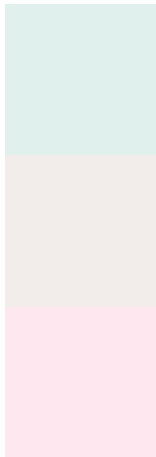


This preview shows how white text looks on a background with the Yxy color 84.8723, 0.3041, 0.3331.

# 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

84.8723, 0.3041, 0.3331

### Protanopia

84.8087, 0.3180, 0.3310

### Deuteranopia

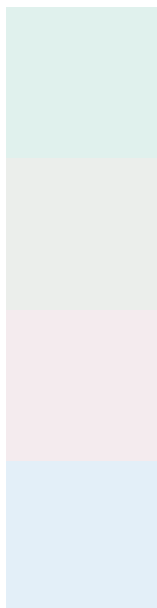
84.6438, 0.3240, 0.3212



## Tritanopia

84.8631, 0.2962, 0.3117

# Trichromacy



## Original Color

84.8723, 0.3041, 0.3331

## Protanomaly

84.8094, 0.3126, 0.3321

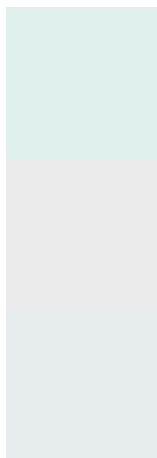
## Deuteranomaly

84.8228, 0.3169, 0.3260

## Tritanomaly

84.8412, 0.2996, 0.3198

# Monochromacy



## Original Color

84.8723, 0.3041, 0.3331

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.6134, 0.3094, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  84.8723, 0.3041, 0.3331 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(224, 241, 237)` looks like.

```
.text, #text, p{  
    color:rgb(224, 241, 237)  
}
```

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(224, 241, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 241, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8723, 0.3041, 0.3331 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(224, 241, 237) }
```

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

```
.border{ border-color:rgb(224, 241, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 241, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 241, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 241, 237);  
box-shadow:4px 4px 4px 4px rgb(224, 241,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8723, 0.3041, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 241, 237) }
```

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

```
.background{ background-color: rgb(224,  
241, 237) }
```

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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