

# Converting Colors

$Yxy(84.3386, 0.3039, 0.3307)$

Have a look what the booklet for  
Yxy(84.3386, 0.3039, 0.3307)  
contains.

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# Color

**Yxy(84.5008, 0.3042, 0.3310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1F0EE
RGB	225, 240, 238
RGB Percent	88%, 94%, 93%
CMY	0.1174, 0.0589, 0.0665
CMYK	0.06, 0.00, 0.01, 0.06
HSL	172°, 33%, 91%
HSV	172°, 6%, 94%
XYZ	77.6590, 84.5008, 93.1296
YIQ	235.2870, -8.2980, -3.8020

# Conversions

## Conversions Part 2

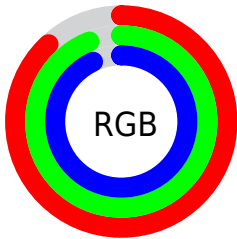
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 233, 240
Decimal	14807278
CIE Lab	93.67, -5.27, -0.77
CIE LCh	94, 5.325, 188.269
Yxy	84.5008, 0.3042, 0.3310
Android (android.graphics.Color)	4292997358 (0xFFE1F0EE)
YUV	235.2870, 1.3375, -9.0217
Hunter-Lab	91.9243, -10.0681, 4.2796

# Details

The Yxy color **84.5008, 0.3042, 0.3310** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.9479, 0.3219, 0.3270**, and the grayscale version is **83.3113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2044, 0.3026, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **80.7301, 0.2910, 0.3345**, and if you desaturate by 10%, it is **88.8240, 0.3180, 0.3278**.

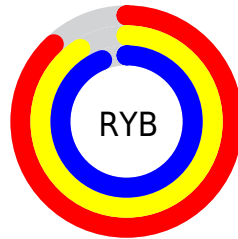
# Distribution



Red (88%)

Green (94%)

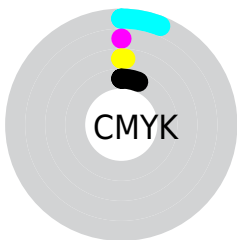
Blue (93%)



Red (88%)

Yellow (91%)

Blue (94%)

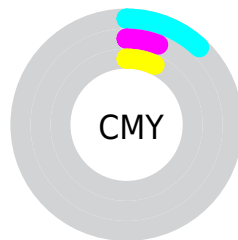


Cyan (6%)

Magenta (0%)

Yellow (1%)

Black (6%)



Cyan (12%)

Magenta (6%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5008, 0.3042, 0.3310 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 84.5008, 0.3042, 0.3310 by changing the saturation by 10% instead.




 84.5008, 0.3042,  
0.3310

 84.5008, 0.3042,  
0.3310

509.9748, 0.3080,  
0.3301

 63.4290, 0.3033,  
0.3312


139.6755, 0.3055,  
0.3307

 46.1883, 0.3023,  
0.3314


174.5472, 0.3060,  
0.3306

 32.3945, 0.3010,  
0.3317


214.7876, 0.3065,  
0.3305

 21.6630, 0.2993,  
0.3321

260.7812, 0.3069,  
0.3304

 13.6095, 0.2971,  
0.3326

312.9123, 0.3072,  
0.3303

 7.8496, 0.2940,  
0.3333

371.5653, 0.3075,

 3.9988, 0.2893,

0.3302

437.1247, 0.3078,  
0.3302

0.3343

1.6729, 0.2815,  
0.3360

0.4060, 0.2220,  
0.3503

84.5008, 0.3042,  
0.3310

84.5008, 0.3042,  
0.3310

80.7301, 0.2910,  
0.3345

88.8240, 0.3180,  
0.3278

77.4787, 0.2787,  
0.3383


90.1248, 0.3200,  
0.3248


74.7261, 0.2675,  
0.3423


90.3177, 0.3180,  
0.3218

72.4464, 0.2577,  
0.3466

90.5140, 0.3161,  
0.3188

 70.6111, 0.2497,  
0.3511

 90.7135, 0.3142,  
0.3158

 69.1889, 0.2435,  
0.3556

 90.7937, 0.3134,  
0.3146

 68.1444, 0.2392,  
0.3603

 67.4361, 0.2369,  
0.3649

 67.0122, 0.2364,  
0.3695

# Harmonies

## Analogous

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



84.5008, 0.3094, 0.3360



84.5008, 0.3042, 0.3310



84.5008, 0.3012, 0.3255

# Triad

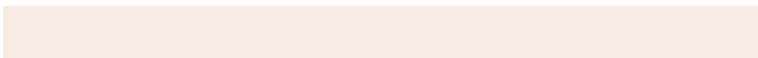
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5008, 0.3042, 0.3310



84.5008, 0.3098, 0.3192



84.5008, 0.3243, 0.3369

# Complementary

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



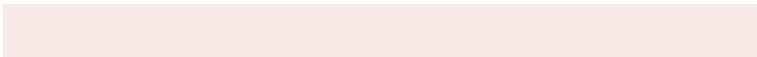
84.5008, 0.3042, 0.3310



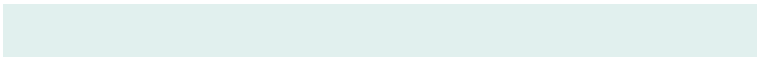
77.9479, 0.3219, 0.3270

# Split Complementary

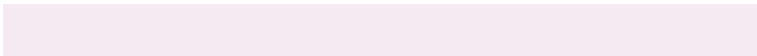
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5008, 0.3244, 0.3324



84.5008, 0.3042, 0.3310



84.5008, 0.3159, 0.3222

# Square

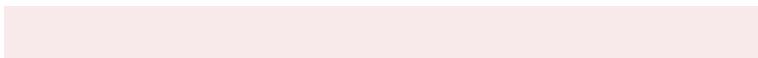
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



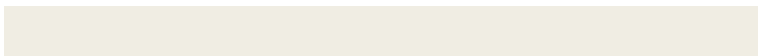
84.5008, 0.3042, 0.3310



84.5008, 0.3044, 0.3187



84.5008, 0.3213, 0.3270



84.5008, 0.3210, 0.3394

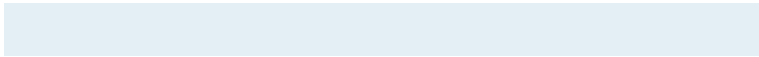


# Rectangle

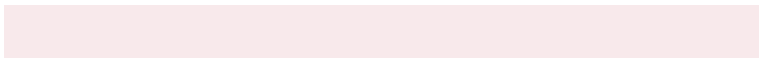
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



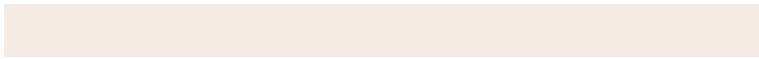
84.5008, 0.3042, 0.3310



84.5008, 0.3009, 0.3223



84.5008, 0.3213, 0.3270



84.5008, 0.3247, 0.3356

# Sweetspot

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



84.5044, 0.3042, 0.3310



99.0026, 0.3100, 0.3296



84.0906, 0.3133, 0.3446



21.2011, 0.3101, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

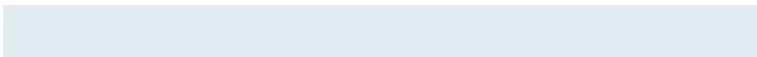
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5044, 0.3042, 0.3310



96.6207, 0.3031, 0.3313



81.4438, 0.3031, 0.3233



18.0509, 0.3024, 0.3315



36.6373, 0.2363, 0.3705

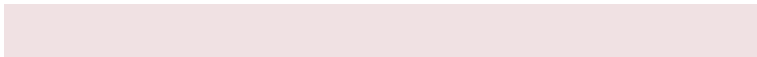


3.0577, 0.2346, 0.3644

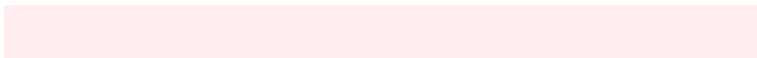


# Inverse Universe

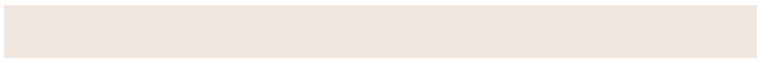
The Inverse Universe completely reimagines the original color for something new.



77.9479, 0.3219, 0.3270



88.1762, 0.3232, 0.3267



80.8505, 0.3227, 0.3347



16.3500, 0.3241, 0.3266



10.2072, 0.6231, 0.3206

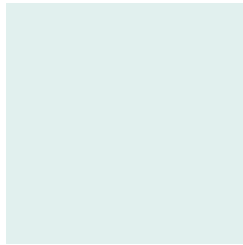


0.8597, 0.5935, 0.3043



# Previews

## White Background



This preview shows how the Yxy color 84.5008, 0.3042, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

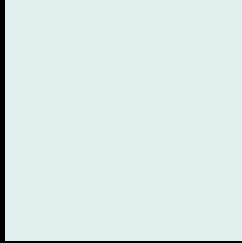
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.5008, 0.3042, 0.3310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

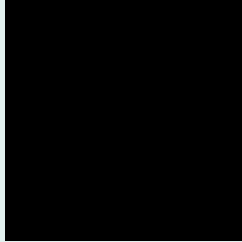
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

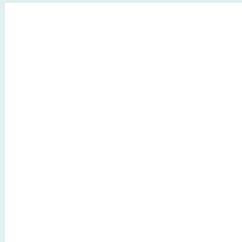
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.5008, 0.3042, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.5008, 0.3042, 0.3310.

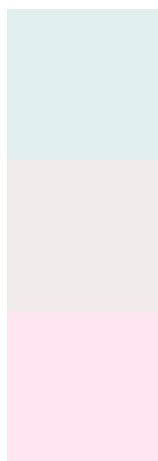


This preview shows how white text looks on a background with the Yxy color 84.5008, 0.3042, 0.3310.

# 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

84.5008, 0.3042, 0.3310

### Protanopia

84.1156, 0.3167, 0.3290

### Deuteranopia

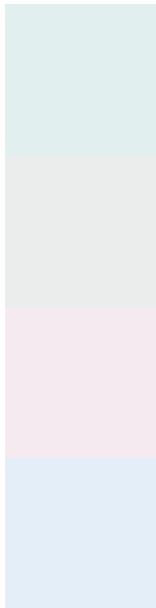
84.1449, 0.3235, 0.3192



## Tritanopia

84.4464, 0.2968, 0.3107

# Trichromacy



## Original Color

84.5008, 0.3042, 0.3310

## Protanomaly

84.2867, 0.3120, 0.3300

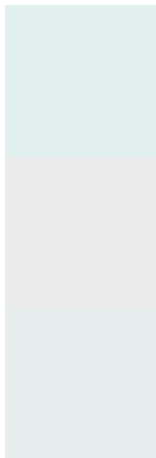
## Deuteranomaly

84.3107, 0.3163, 0.3240

## Tritanomaly

84.4826, 0.2996, 0.3177

# Monochromacy



## Original Color

84.5008, 0.3042, 0.3310

## 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 84.5008, 0.3042, 0.3310 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(225, 240, 238)` looks like.

```
.text, #text, p{  
    color:rgb(225, 240, 238)  
}
```

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(225, 240, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 240, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 84.5008, 0.3042, 0.3310 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(225, 240, 238) }
```

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

```
.border{ border-color:rgb(225, 240, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 240, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 240, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 240, 238);  
box-shadow:4px 4px 4px 4px rgb(225, 240,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.5008, 0.3042, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 240, 238) }
```

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

```
.background{ background-color: rgb(225,  
240, 238) }
```

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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