

# Converting Colors

$Y_{xy}(85.1935, 0.3175, 0.3344)$

Have a look what the booklet for  
Yxy(85.1935, 0.3175, 0.3344)  
contains.

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# Color

**Yxy(85.5005, 0.3178, 0.3351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0EEE8
RGB	240, 238, 232
RGB Percent	94%, 93%, 91%
CMY	0.0586, 0.0667, 0.0902
CMYK	0.00, 0.01, 0.03, 0.06
HSL	45°, 21%, 93%
HSV	45°, 3%, 94%
XYZ	81.0864, 85.5005, 88.5623
YIQ	237.9140, 3.1180, -1.4420

# Conversions

## Conversions Part 2

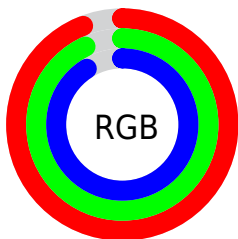
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 240, 232
Decimal	15789800
CIE Lab	94.10, -0.35, 3.13
CIE LCh	94, 3.152, 96.360
Yxy	85.5005, 0.3178, 0.3351
Android (android.graphics.Color)	4293979880 (0xFFFF0EEE8)
YUV	237.9140, -2.9156, 1.8294
Hunter-Lab	92.4665, -5.2847, 7.9399

# Details

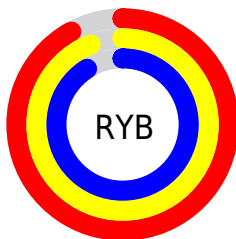
The Yxy color **85.5005, 0.3178, 0.3351** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.3208, 0.3076, 0.3228**, and the grayscale version is **85.4581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7808, 0.3192, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **80.7210, 0.3339, 0.3539**, and if you desaturate by 10%, it is **90.5314, 0.3037, 0.3183**.

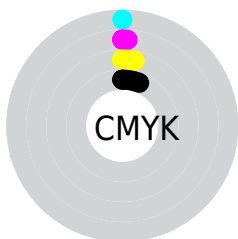
# Distribution



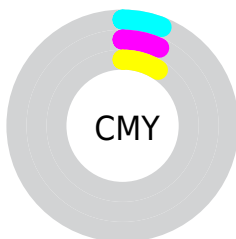
- Red (94%)
- Green (93%)
- Blue (91%)



- Red (92%)
- Yellow (94%)
- Blue (91%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (6%)




- Cyan (6%)
- Magenta (7%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5005, 0.3178, 0.3351 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 85.5005, 0.3178, 0.3351 by changing the saturation by 10% instead.



 85.5005, 0.3178,  
0.3351

 85.5005, 0.3178,  
0.3351

513.2827, 0.3155,  
0.3324

 64.2550, 0.3183,  
0.3357

141.0722, 0.3170,  
0.3342

 46.8572, 0.3189,  
0.3365


176.1673, 0.3167,  
0.3338

 32.9228, 0.3197,  
0.3374


216.6476, 0.3164,  
0.3335

 22.0673, 0.3207,  
0.3386

262.8977, 0.3162,  
0.3332

 13.9064, 0.3220,  
0.3402

315.3018, 0.3160,  
0.3330

 8.0556, 0.3239,  
0.3424

374.2444, 0.3158,

 4.1305, 0.3267,

0.3327

0.3458

440.1099, 0.3157,  
0.3325

■ 1.7468, 0.3313,  
0.3514

■ 0.4537, 0.3671,  
0.3940

■ 85.5005, 0.3178,  
0.3351

■ 85.5005, 0.3178,  
0.3351

■ 80.7210, 0.3339,  
0.3539

■ 90.5314, 0.3037,  
0.3183

■ 76.2371, 0.3512,  
0.3733

■ 94.2868, 0.3036,  
0.3243

■ 72.0434, 0.3696,  
0.3928

■ 97.2745, 0.3036,  
0.3290

■ 68.1299, 0.3886,  
0.4117

■ 64.4860, 0.4077,  
0.4291

■ 61.1002, 0.4260,  
0.4438

■ 57.9595, 0.4427,  
0.4549

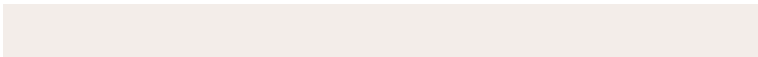
■ 55.0492, 0.4569,  
0.4614

■ 52.3516, 0.4681,  
0.4629

# Harmonies

## Analogous

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



85.5005, 0.3196, 0.3336



85.5005, 0.3178, 0.3351



85.5005, 0.3147, 0.3350

# Triad

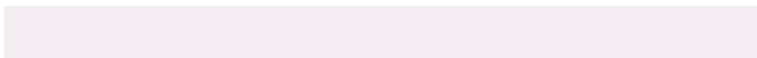
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5005, 0.3178, 0.3351



85.5005, 0.3060, 0.3272



85.5005, 0.3144, 0.3248

# Complementary

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



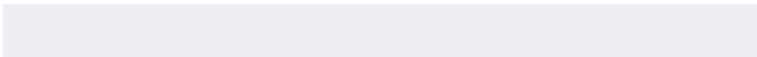
85.5005, 0.3178, 0.3351



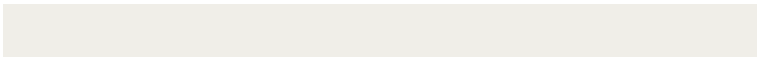
82.3208, 0.3076, 0.3228

# Split Complementary

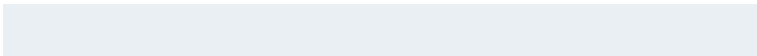
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5005, 0.3108, 0.3231



85.5005, 0.3178, 0.3351



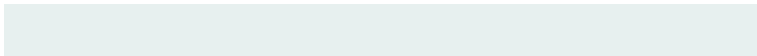
85.5005, 0.3059, 0.3244

# Square

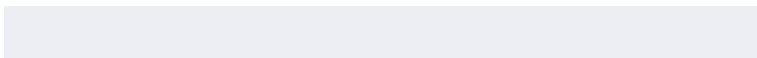
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



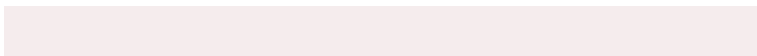
85.5005, 0.3178, 0.3351



85.5005, 0.3079, 0.3304



85.5005, 0.3077, 0.3230

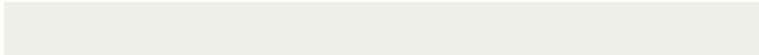


85.5005, 0.3176, 0.3276



# Rectangle

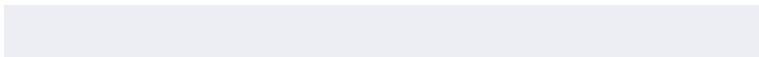
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



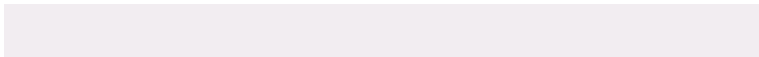
85.5005, 0.3178, 0.3351



85.5005, 0.3122, 0.3340



85.5005, 0.3077, 0.3230



85.5005, 0.3132, 0.3241

# Sweetspot

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



85.5042, 0.3178, 0.3351



99.4218, 0.3142, 0.3308



82.1887, 0.3168, 0.3268



21.2865, 0.3141, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

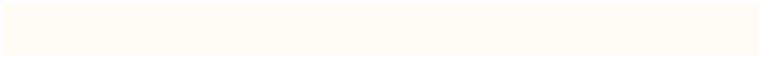


# Same Dimension

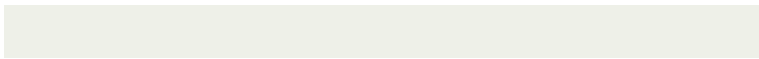
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5042, 0.3178, 0.3351



97.7088, 0.3188, 0.3363



86.3834, 0.3164, 0.3372



18.2261, 0.3199, 0.3376



27.9437, 0.4730, 0.4626



2.4830, 0.4644, 0.4695



# Inverse Universe

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



82.3208, 0.3076, 0.3228



93.3668, 0.3066, 0.3216



81.4704, 0.3089, 0.3207



17.2706, 0.3055, 0.3202



5.4700, 0.1584, 0.0900

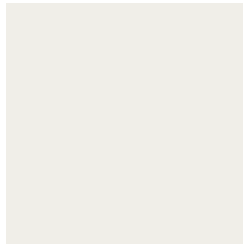


0.6096, 0.1652, 0.1147



# Previews

## White Background



This preview shows how the Yxy color 85.5005, 0.3178, 0.3351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

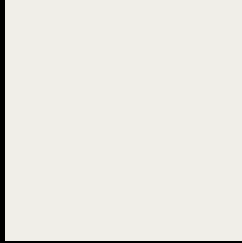
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.5005, 0.3178, 0.3351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

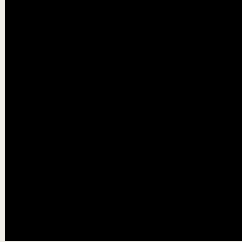
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

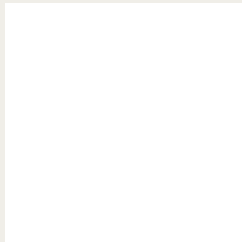
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5005, 0.3178, 0.3351**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5005, 0.3178, 0.3351.

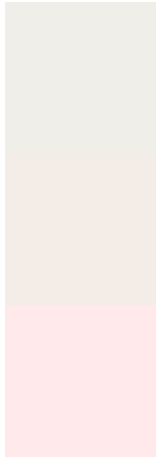


This preview shows how white text looks on a background with the Yxy color 85.5005, 0.3178, 0.3351.

# 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

85.5005, 0.3178, 0.3351

### Protanopia

85.5710, 0.3212, 0.3351

### Deuteranopia

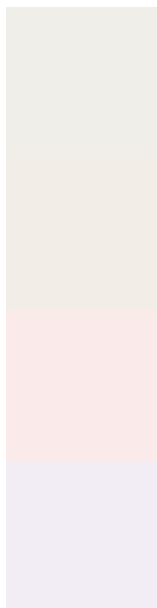
85.5360, 0.3265, 0.3271



## Tritanopia

85.5632, 0.3070, 0.3112

# Trichromacy



## Original Color

85.5005, 0.3178, 0.3351

## Protanomaly

85.3926, 0.3205, 0.3351

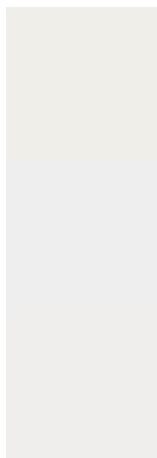
## Deuteranomaly

85.6812, 0.3235, 0.3300

## Tritanomaly

85.4607, 0.3111, 0.3200

# Monochromacy



## Original Color

85.5005, 0.3178, 0.3351

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.5559, 0.3146, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5005, 0.3178, 0.3351 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(240, 238, 232)` looks like.

```
.text, #text, p{  
    color:rgb(240, 238, 232)  
}
```

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(240, 238, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 238, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5005, 0.3178, 0.3351 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(240, 238, 232) }
```

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

```
.border{ border-color:rgb(240, 238, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 238, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 238, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 238, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 238,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5005, 0.3178, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 238, 232) }
```

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

```
.background{ background-color: rgb(240,  
238, 232) }
```

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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