

Converting Colors

$Y_{xy}(85.6797, 0.3170, 0.3372)$

Have a look what the booklet for
Yxy(85.6797, 0.3170, 0.3372)
contains.

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Color

Yxy(85.6797, 0.3170, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEFE7
RGB	238, 239, 231
RGB Percent	93%, 94%, 91%
CMY	0.0666, 0.0627, 0.0943
CMYK	0.00, 0.00, 0.03, 0.06
HSL	67°, 20%, 92%
HSV	67°, 3%, 94%
XYZ	80.5470, 85.6797, 87.8649
YIQ	237.7890, 1.9720, -2.7000

Conversions

Conversions Part 2

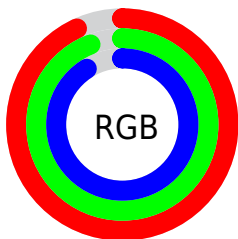
Format	Color
R _Y B	231, 239, 232
Decimal	15658983
CIE Lab	94.18, -1.73, 3.76
CIE LCh	94, 4.137, 114.782
Yxy	85.6797, 0.3170, 0.3372
Android (android.graphics.Color)	4293849063 (0xFFEEEEFE7)
YUV	237.7890, -3.3470, 0.1850
Hunter-Lab	92.5633, -6.6581, 8.5138

Details

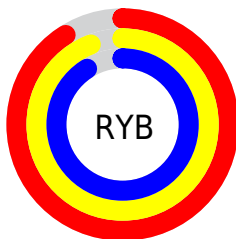
The Yxy color **85.6797, 0.3170, 0.3372** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.5132, 0.3084, 0.3207**, and the grayscale version is **85.3549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9072, 0.3182, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **83.9132, 0.3300, 0.3624**, and if you desaturate by 10%, it is **87.6466, 0.3045, 0.3133**.

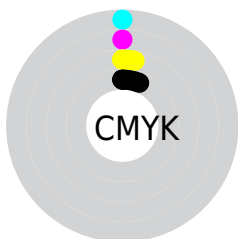
Distribution



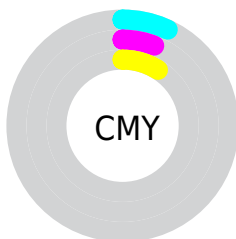
- Red (93%)
- Green (94%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6797, 0.3170, 0.3372 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 85.6797, 0.3170, 0.3372 by changing the saturation by 10% instead.

85.6797, 0.3170,
0.3372

85.6797, 0.3170,
0.3372

513.8745, 0.3151,
0.3335

64.4031, 0.3174,
0.3380

141.3224, 0.3163,
0.3359

46.9773, 0.3179,
0.3390

176.4574, 0.3161,
0.3354

33.0177, 0.3186,
0.3403

216.9806, 0.3159,
0.3350

22.1400, 0.3194,
0.3419

263.2765, 0.3157,
0.3346

13.9598, 0.3205,
0.3441

315.7294, 0.3155,
0.3343

8.0927, 0.3221,
0.3471

374.7238, 0.3153,

4.1543, 0.3243,

0.3340

0.3517

440.6440, 0.3152,
0.3337

■ 1.7603, 0.3281,
0.3594

■ 0.4622, 0.3609,
0.4203

■ 85.6797, 0.3170,
0.3372

■ 85.6797, 0.3170,
0.3372

■ 83.9132, 0.3300,
0.3624

■ 87.6466, 0.3045,
0.3133

■ 82.3284, 0.3431,
0.3883


■ 88.1833, 0.3063,
0.3133

■ 80.9211, 0.3558,
0.4144

■ 88.7198, 0.3082,
0.3134


■ 79.6827, 0.3678,
0.4396


■ 89.2649, 0.3101,
0.3135


 78.6039, 0.3783,
0.4629


 89.8187, 0.3121,
0.3136

 77.6745, 0.3869,
0.4833

 90.2177, 0.3134,
0.3136

 76.8829, 0.3931,
0.4999

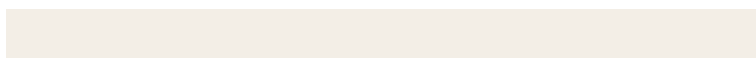
 76.2158, 0.3967,
0.5121

 75.6570, 0.3976,
0.5197

Harmonies

Analogous

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



85.6797, 0.3205, 0.3364



85.6797, 0.3170, 0.3372



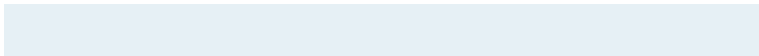
85.6797, 0.3123, 0.3357

Triad

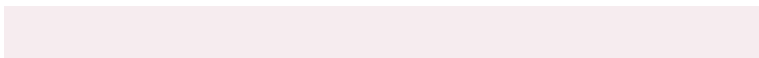
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6797, 0.3170, 0.3372



85.6797, 0.3036, 0.3242



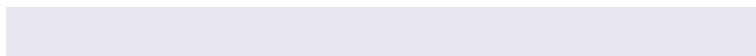
85.6797, 0.3177, 0.3257

Complementary

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



85.6797, 0.3170, 0.3372



80.5132, 0.3084, 0.3207

Split Complementary

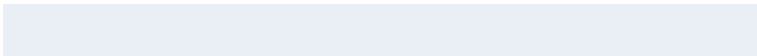
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6797, 0.3131, 0.3224



85.6797, 0.3170, 0.3372



85.6797, 0.3049, 0.3216

Square

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



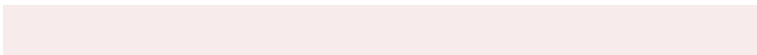
85.6797, 0.3170, 0.3372



85.6797, 0.3046, 0.3282



85.6797, 0.3084, 0.3210



85.6797, 0.3209, 0.3298

Rectangle

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



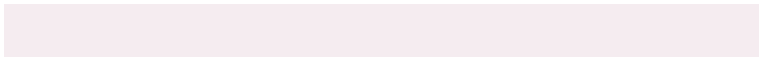
85.6797, 0.3170, 0.3372



85.6797, 0.3092, 0.3337



85.6797, 0.3084, 0.3210



85.6797, 0.3162, 0.3244

Sweetspot

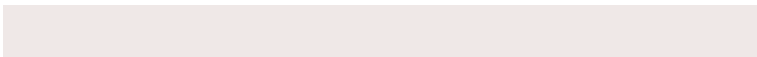
The Sweet Spot groups the original color and five complimentary colors.



85.6834, 0.3170, 0.3372



99.7767, 0.3140, 0.3314



81.7772, 0.3182, 0.3300



21.3587, 0.3139, 0.3313



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.



85.6834, 0.3170, 0.3372



99.1203, 0.3178, 0.3388



85.0055, 0.3144, 0.3373



18.5378, 0.3188, 0.3406



41.6653, 0.3976, 0.5225



3.4939, 0.4006, 0.5201

Inverse Universe

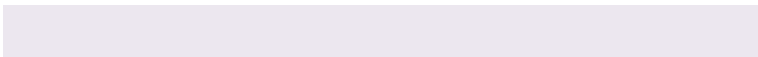
The Inverse Universe completely reimagines the original color for something new.



80.5132, 0.3084, 0.3207



92.0093, 0.3075, 0.3191



81.1832, 0.3110, 0.3208



16.9729, 0.3065, 0.3172



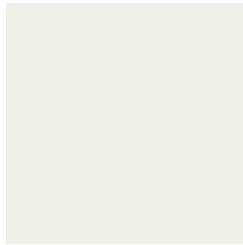
3.6244, 0.1546, 0.0626



0.3316, 0.1636, 0.0675

Previews

White Background



This preview shows how the Yxy color 85.6797, 0.3170, 0.3372 looks on a white background.

Color Contrast Check

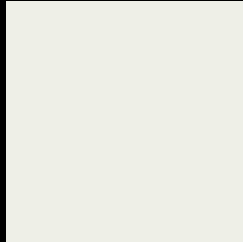
Large Text (above 18pt) WCAG AA × Fail

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 85.6797, 0.3170, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

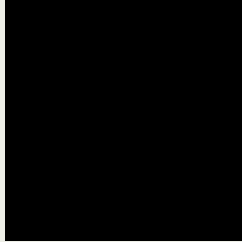
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

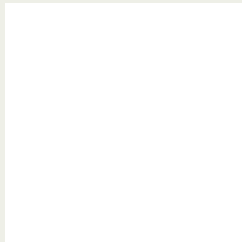
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6797, 0.3170, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 85.6797, 0.3170, 0.3372.

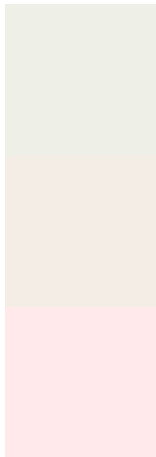


This preview shows how white text looks on a background with the Yxy color 85.6797, 0.3170, 0.3372.

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

85.6797, 0.3170, 0.3372

Protanopia

85.5146, 0.3218, 0.3361

Deuteranopia

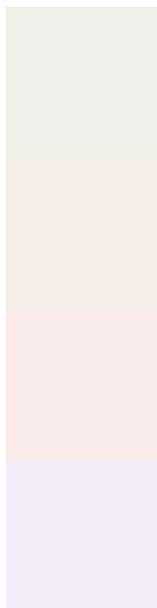
85.5360, 0.3265, 0.3271



Tritanopia

85.4497, 0.3057, 0.3102

Trichromacy



Original Color

85.6797, 0.3170, 0.3372

Protanomaly

85.7395, 0.3203, 0.3371

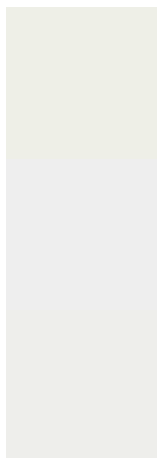
Deuteranomaly

85.4969, 0.3228, 0.3300

Tritanomaly

85.3455, 0.3099, 0.3190

Monochromacy



Original Color

85.6797, 0.3170, 0.3372

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.3244, 0.3146, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6797, 0.3170, 0.3372 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, 239, 231)` looks like.

```
.text, #text, p{  
    color:rgb(238, 239, 231)  
}
```

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, 239, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 239, 231) }
```

Border

The CSS property to change the border of an element to Yxy 85.6797, 0.3170, 0.3372 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, 239, 231) }
```

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

```
.border{ border-color:rgb(238, 239, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 239, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 239, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 239, 231);  
box-shadow:4px 4px 4px 4px rgb(238, 239,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6797, 0.3170, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 239, 231) }
```

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

```
.background{ background-color: rgb(238,  
239, 231) }
```

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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