

Converting Colors

$Yxy(88.3983, 0.3169, 0.3363)$

Have a look what the booklet for
Yxy(88.3983, 0.3169, 0.3363)
contains.

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Color

Yxy(88.3797, 0.3170, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	F2F2EB
RGB	242, 242, 235
RGB Percent	95%, 95%, 92%
CMY	0.0507, 0.0510, 0.0784
CMYK	0.00, 0.00, 0.03, 0.05
HSL	59°, 21%, 94%
HSV	59°, 3%, 95%
XYZ	83.3820, 88.3797, 91.2731
YIQ	241.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

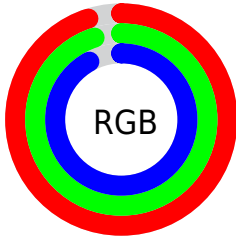
Format	Color
R _Y B	235, 242, 235
Decimal	15921899
CIE Lab	95.32, -1.18, 3.35
CIE LCh	95, 3.557, 109.440
Yxy	88.3797, 0.3170, 0.3360
Android (android.graphics.Color)	4294111979 (0xFF F2 F2 EB)
YUV	241.2020, -3.0576, 0.6998
Hunter-Lab	94.0105, -6.1988, 8.2437

Details

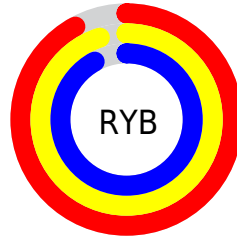
The Yxy color **88.3797, 0.3170, 0.3360** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.5472, 0.3084, 0.3219**, and the grayscale version is **88.1628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8116, 0.3182, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **86.9302, 0.3321, 0.3606**, and if you desaturate by 10%, it is **89.7524, 0.3050, 0.3164**.

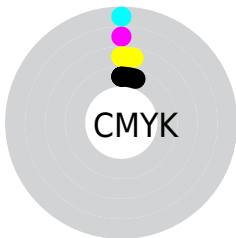
Distribution



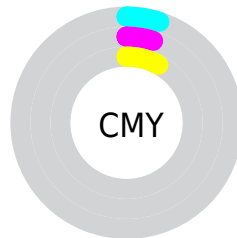
- Red (95%)
- Green (95%)
- Blue (92%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)




- Cyan (5%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.3797, 0.3170, 0.3360 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 88.3797, 0.3170, 0.3360 by changing the saturation by 10% instead.


 88.3797, 0.3170,
0.3360

 88.3797, 0.3170,
0.3360

522.7459, 0.3151,
0.3329

 66.6376, 0.3174,
0.3367


145.0857, 0.3164,
0.3349

 48.7901, 0.3179,
0.3375

180.8183, 0.3161,
0.3345

 34.4530, 0.3186,
0.3386


221.9832, 0.3159,
0.3341

 23.2419, 0.3194,
0.3399

268.9648, 0.3157,
0.3338

 14.7722, 0.3205,
0.3417

322.1475, 0.3155,
0.3335

 8.6597, 0.3220,
0.3442

381.9156, 0.3154,

 4.5199, 0.3242,

0.3333

0.3480

448.6536, 0.3152,
0.3331

■ 1.9684, 0.3278,
0.3541

■ 0.5890, 0.3477,
0.3858

■ 88.3797, 0.3170,
0.3360

■ 88.3797, 0.3170,
0.3360

■ 86.9302, 0.3321,
0.3606

■ 89.7524, 0.3050,
0.3164

■ 85.6599, 0.3475,
0.3857


■ 89.9006, 0.3050,
0.3167

■ 84.5644, 0.3627,
0.4104


■ 90.0490, 0.3050,
0.3169

■ 83.6349, 0.3771,
0.4339

■ 90.1976, 0.3050,
0.3172

 82.8619, 0.3902,
0.4551

 90.3465, 0.3050,
0.3174


 82.2350, 0.4014,
0.4731


 90.4955, 0.3050,
0.3177

 81.7423, 0.4102,
0.4871

 90.6447, 0.3050,
0.3179

 81.3702, 0.4163,
0.4967

 90.7941, 0.3050,
0.3182

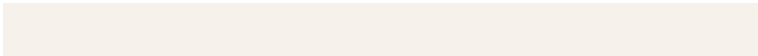
 81.1023, 0.4199,
0.5020

 90.9437, 0.3050,
0.3184

Harmonies

Analogous

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



88.3797, 0.3197, 0.3350



88.3797, 0.3170, 0.3360



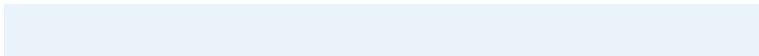
88.3797, 0.3131, 0.3351

Triad

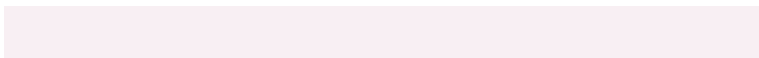
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.3797, 0.3170, 0.3360



88.3797, 0.3049, 0.3255



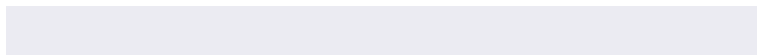
88.3797, 0.3163, 0.3256

Complementary

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



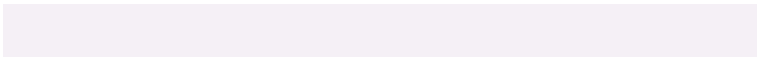
88.3797, 0.3170, 0.3360



83.5472, 0.3084, 0.3219

Split Complementary

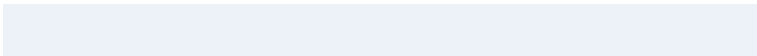
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3797, 0.3123, 0.3231



88.3797, 0.3170, 0.3360



88.3797, 0.3057, 0.3230

Square

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



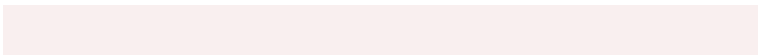
88.3797, 0.3170, 0.3360



88.3797, 0.3062, 0.3290



88.3797, 0.3084, 0.3221



88.3797, 0.3193, 0.3290

Rectangle

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



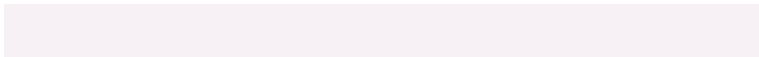
88.3797, 0.3170, 0.3360



88.3797, 0.3104, 0.3335



88.3797, 0.3084, 0.3221



88.3797, 0.3150, 0.3246

Sweetspot

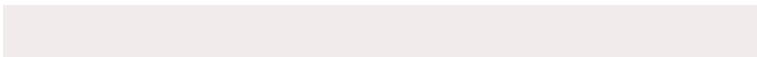
The Sweet Spot groups the original color and five complimentary colors.



88.3835, 0.3170, 0.3360



99.8201, 0.3142, 0.3314



84.3201, 0.3174, 0.3289



21.3675, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



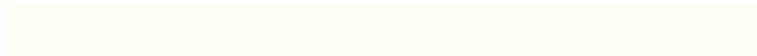
21.4041, 0.3127, 0.3290

Same Dimension

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



88.3835, 0.3170, 0.3360



99.4669, 0.3171, 0.3362



87.8296, 0.3148, 0.3361



18.6065, 0.3183, 0.3381



43.4804, 0.4211, 0.5038



3.6261, 0.4209, 0.5040

Inverse Universe

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



83.5472, 0.3084, 0.3219



93.8418, 0.3082, 0.3217



84.0908, 0.3106, 0.3219



17.2865, 0.3070, 0.3197



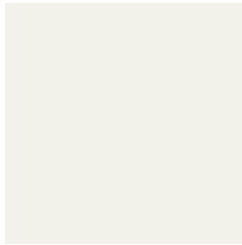
3.4849, 0.1502, 0.0606



0.2990, 0.1507, 0.0624

Previews

White Background



This preview shows how the Yxy color 88.3797, 0.3170, 0.3360 looks on a white background.

Color Contrast Check

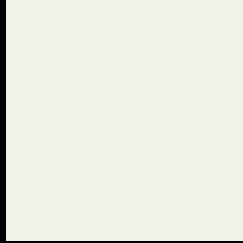
Large Text (above 18pt) WCAG AA × Fail

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 88.3797, 0.3170, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

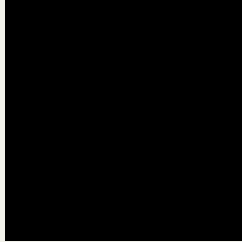
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

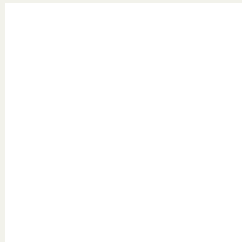
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.3797, 0.3170, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 88.3797, 0.3170, 0.3360.

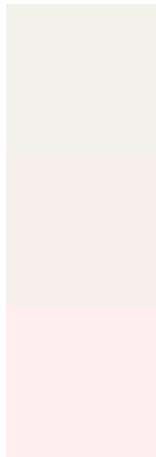


This preview shows how white text looks on a background with the Yxy color 88.3797, 0.3170, 0.3360.

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

88.3797, 0.3170, 0.3360

Protanopia

88.0348, 0.3210, 0.3350

Deuteranopia

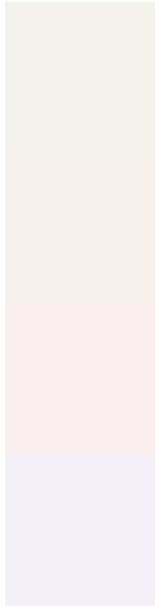
88.0604, 0.3235, 0.3271



Tritanopia

88.3655, 0.3070, 0.3133

Trichromacy



Original Color

88.3797, 0.3170, 0.3360

Protanomaly

88.2636, 0.3196, 0.3360

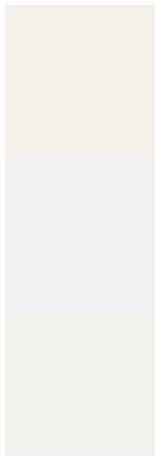
Deuteranomaly

88.2300, 0.3206, 0.3300

Tritanomaly

88.3306, 0.3105, 0.3211

Monochromacy



Original Color

88.3797, 0.3170, 0.3360

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.8434, 0.3139, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.3797, 0.3170, 0.3360 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(242, 242, 235)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 235)  
}
```

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(242, 242, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 235) }
```

Border

The CSS property to change the border of an element to Yxy 88.3797, 0.3170, 0.3360 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(242, 242, 235) }
```

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

```
.border{ border-color:rgb(242, 242, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 242, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 235);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 88.3797, 0.3170, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 235) }
```

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

```
.background{ background-color: rgb(242,  
242, 235) }
```

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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