

Converting Colors

$Yxy(86.7362, 0.3227, 0.3335)$

Have a look what the booklet for
Yxy(86.7362, 0.3227, 0.3335)
contains.

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Color

Yxy(86.9887, 0.3225, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	F8EEE9
RGB	248, 238, 233
RGB Percent	97%, 93%, 91%
CMY	0.0275, 0.0666, 0.0862
CMYK	0.00, 0.04, 0.06, 0.03
HSL	20°, 52%, 94%
HSV	20°, 6%, 97%
XYZ	83.9936, 86.9887, 89.4629
YIQ	240.4200, 7.5650, 0.5650

Conversions

Conversions Part 2

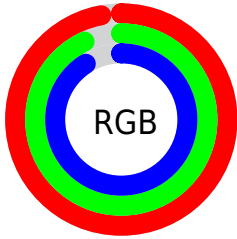
Format	Color
R _Y B	248, 241, 233
Decimal	16314089
CIE Lab	94.73, 2.51, 3.60
CIE LCh	95, 4.388, 55.047
Yxy	86.9887, 0.3225, 0.3340
Android (android.graphics.Color)	4294504169 (0xFF8EEE9)
YUV	240.4200, -3.6581, 6.6477
Hunter-Lab	93.2677, -2.4678, 8.4161

Details

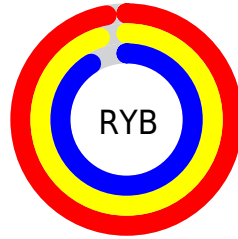
The Yxy color **86.9887, 0.3225, 0.3340** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.2049, 0.3034, 0.3239**, and the grayscale version is **87.5109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8367, 0.3254, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **76.4832, 0.3410, 0.3427**, and if you desaturate by 10%, it is **98.4027, 0.3084, 0.3285**.

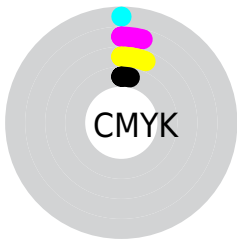
Distribution



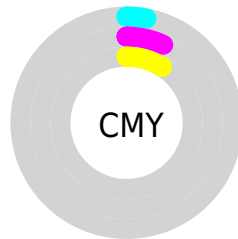
- Red (97%)
- Green (93%)
- Blue (91%)



- Red (97%)
- Yellow (95%)
- Blue (91%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (3%)




- Cyan (3%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9887, 0.3225, 0.3340 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 86.9887, 0.3225, 0.3340 by changing the saturation by 10% instead.

 86.9887, 0.3225,
0.3340

 86.9887, 0.3225,
0.3340

518.1857, 0.3181,
0.3318

 65.4859, 0.3235,
0.3345

143.1484, 0.3210,
0.3332

 47.8552, 0.3247,
0.3351


178.5740, 0.3204,
0.3329

 33.7122, 0.3262,
0.3358


219.4094, 0.3199,
0.3327

 22.6726, 0.3281,
0.3368

266.0388, 0.3195,
0.3325

 14.3519, 0.3306,
0.3380

318.8468, 0.3191,
0.3323

 8.3658, 0.3342,
0.3397

378.2177, 0.3187,

 4.3299, 0.3395,

0.3321

0.3422

444.5359, 0.3184,
0.3319

■ 1.8598, 0.3483,
0.3463

■ 0.5240, 0.3989,
0.3736

■ 86.9887, 0.3225,
0.3340

■ 86.9887, 0.3225,
0.3340

■ 76.4832, 0.3410,
0.3427

■ 98.4027, 0.3084,
0.3285

■ 67.0254, 0.3629,
0.3519

■ 98.6956, 0.3084,
0.3290

■ 58.5854, 0.3884,
0.3612

■ 51.1280, 0.4178,
0.3700

■ 44.6155, 0.4507,
0.3776

■ 39.0078, 0.4861,
0.3829

■ 34.2614, 0.5218,
0.3844

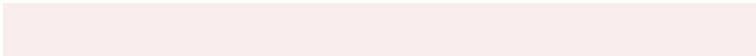
■ 30.3287, 0.5548,
0.3812

■ 27.1558, 0.5818,
0.3730

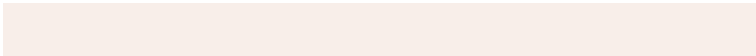
Harmonies

Analogous

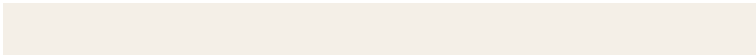
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9887, 0.3214, 0.3298



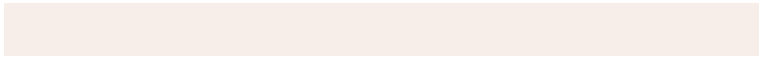
86.9887, 0.3225, 0.3340



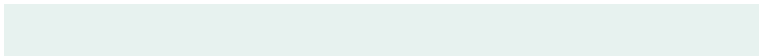
86.9887, 0.3210, 0.3369

Triad

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



86.9887, 0.3225, 0.3340



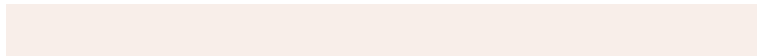
86.9887, 0.3075, 0.3326



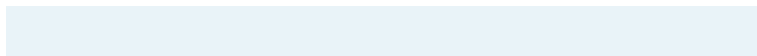
86.9887, 0.3082, 0.3205

Complementary

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



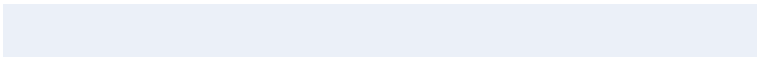
86.9887, 0.3225, 0.3340



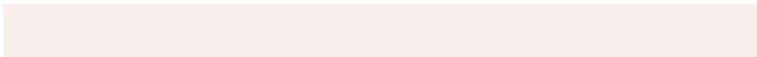
88.2049, 0.3034, 0.3239

Split Complementary

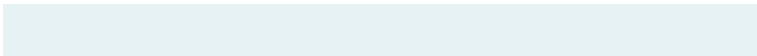
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9887, 0.3045, 0.3212



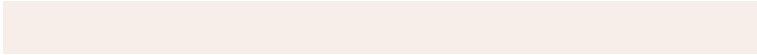
86.9887, 0.3225, 0.3340



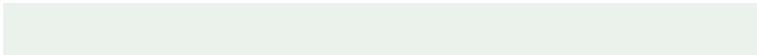
86.9887, 0.3041, 0.3281

Square

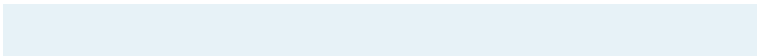
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9887, 0.3225, 0.3340



86.9887, 0.3123, 0.3361



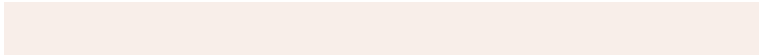
86.9887, 0.3030, 0.3239



86.9887, 0.3131, 0.3221

Rectangle

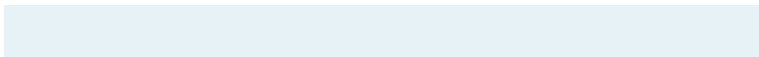
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9887, 0.3225, 0.3340



86.9887, 0.3186, 0.3377



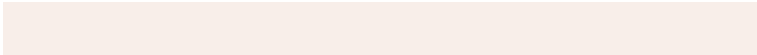
86.9887, 0.3030, 0.3239



86.9887, 0.3068, 0.3205

Sweetspot

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



86.9925, 0.3225, 0.3340



97.5256, 0.3158, 0.3306



84.7271, 0.3164, 0.3189



20.9005, 0.3157, 0.3306



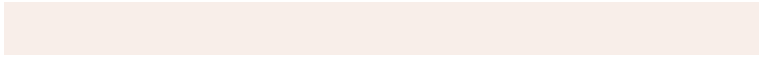
0.0000, 0.0000, 0.0000



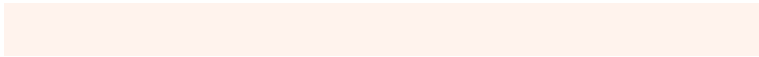
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9925, 0.3225, 0.3340



91.5440, 0.3242, 0.3348



91.2947, 0.3219, 0.3411



18.6172, 0.3252, 0.3353



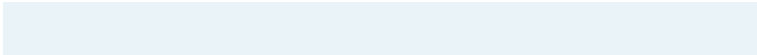
14.3239, 0.5880, 0.3713



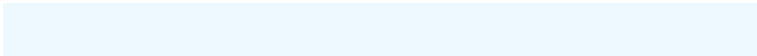
1.5129, 0.5650, 0.3896

Inverse Universe

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



88.2049, 0.3034, 0.3239



93.0329, 0.3019, 0.3231



83.9556, 0.3035, 0.3166



18.9466, 0.3009, 0.3226



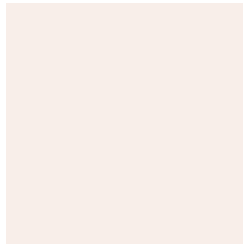
18.5330, 0.1933, 0.2160



1.9113, 0.1975, 0.2311

Previews

White Background



This preview shows how the Yxy color 86.9887, 0.3225, 0.3340 looks on a white background.

Color Contrast Check

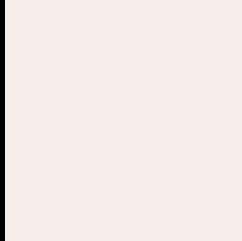
Large Text (above 18pt) WCAG AA × Fail

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 86.9887, 0.3225, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

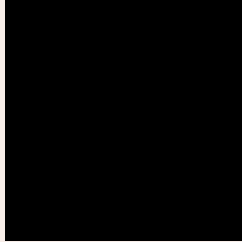
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

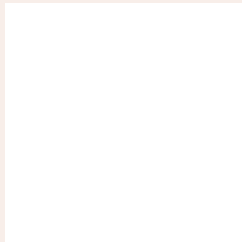
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9887, 0.3225, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 86.9887, 0.3225, 0.3340.

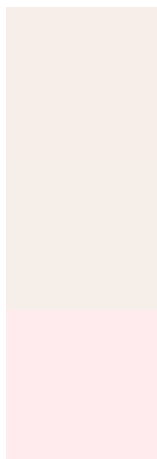


This preview shows how white text looks on a background with the Yxy color 86.9887, 0.3225, 0.3340.

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

86.9887, 0.3225, 0.3340

Protanopia

87.2090, 0.3211, 0.3350

Deuteranopia

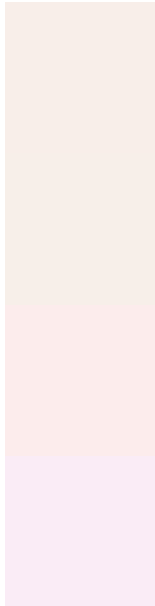
86.7911, 0.3250, 0.3271



Tritanopia

87.0177, 0.3122, 0.3115

Trichromacy



Original Color

86.9887, 0.3225, 0.3340

Protanomaly

87.3904, 0.3218, 0.3350

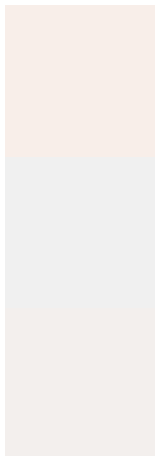
Deuteranomaly

86.7425, 0.3235, 0.3290

Tritanomaly

86.9687, 0.3158, 0.3192

Monochromacy



Original Color

86.9887, 0.3225, 0.3340

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.9021, 0.3166, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9887, 0.3225, 0.3340 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(248, 238, 233)` looks like.

```
.text, #text, p{  
    color:rgb(248, 238, 233)  
}
```

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(248, 238, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 238, 233) }
```

Border

The CSS property to change the border of an element to Yxy 86.9887, 0.3225, 0.3340 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(248, 238, 233) }
```

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

```
.border{ border-color:rgb(248, 238, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 238, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 238, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 238, 233);  
box-shadow:4px 4px 4px 4px rgb(248, 238,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9887, 0.3225, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 238, 233) }
```

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

```
.background{ background-color: rgb(248,  
238, 233) }
```

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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