

Converting Colors

$Yxy(86.6150, 0.3202, 0.3336)$

Have a look what the booklet for
Yxy(86.6150, 0.3202, 0.3336)
contains.

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Color

Yxy(86.5021, 0.3199, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	F5EEEE
RGB	245, 238, 234
RGB Percent	96%, 93%, 92%
CMY	0.0390, 0.0667, 0.0823
CMYK	0.00, 0.03, 0.05, 0.04
HSL	22°, 36%, 94%
HSV	22°, 5%, 96%
XYZ	83.0992, 86.5021, 90.1648
YIQ	239.6370, 5.4560, 0.2400

Conversions

Conversions Part 2

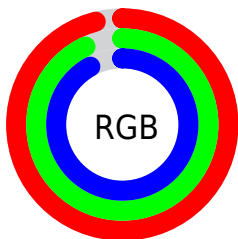
Format	Color
R _Y B	245, 240, 234
Decimal	16117482
CIE Lab	94.53, 1.70, 2.75
CIE LCh	95, 3.233, 58.343
Yxy	86.5021, 0.3199, 0.3330
Android (android.graphics.Color)	4294307562 (0xFF5EEEA)
YUV	239.6370, -2.7790, 4.7034
Hunter-Lab	93.0065, -3.2758, 7.6261

Details

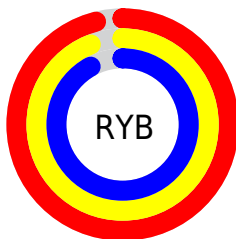
The Yxy color $86.5021, 0.3199, 0.3330$ is a light color, and the websafe version is hex FFFFFF. A complement of this color would be $87.0532, 0.3058, 0.3250$, and the grayscale version is $86.8668, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.4891, 0.3219, 0.3342$ is the 20% darker color. If you saturate the color by 10%, you get $76.4512, 0.3378, 0.3423$, and if you desaturate by 10%, it is $97.3232, 0.3066, 0.3277$.

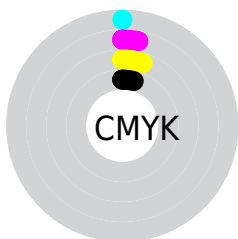
Distribution



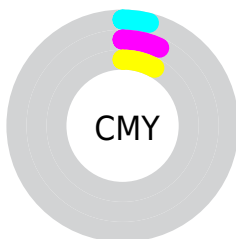
- Red (96%)
- Green (93%)
- Blue (92%)



- Red (96%)
- Yellow (94%)
- Blue (92%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (4%)




- Cyan (4%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5021, 0.3199, 0.3330 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 86.5021, 0.3199, 0.3330 by changing the saturation by 10% instead.

 86.5021, 0.3199,
0.3330

 86.5021, 0.3199,
0.3330

516.5854, 0.3167,
0.3312

 65.0832, 0.3206,
0.3334

142.4699, 0.3188,
0.3324

 47.5286, 0.3215,
0.3339


177.7877, 0.3184,
0.3322

 33.4537, 0.3226,
0.3345


218.5073, 0.3180,
0.3319

 22.4742, 0.3240,
0.3352

265.0130, 0.3177,
0.3318

 14.2058, 0.3259,
0.3362

317.6893, 0.3174,
0.3316

 8.2639, 0.3285,
0.3376

376.9205, 0.3171,

 4.2643, 0.3324,

0.3315

0.3397

443.0911, 0.3169,
0.3313

■ 1.8225, 0.3389,
0.3431

■ 0.5011, 0.3773,
0.3652

■ 86.5021, 0.3199,
0.3330

■ 86.5021, 0.3199,
0.3330

■ 76.4512, 0.3378,
0.3423

■ 97.3232, 0.3066,
0.3277

■ 67.3597, 0.3589,
0.3521

■ 98.1640, 0.3066,
0.3290

■ 59.2017, 0.3834,
0.3621

■ 51.9461, 0.4115,
0.3718

■ 45.5600, 0.4429,
0.3803

■ 40.0081, 0.4768,
0.3866

■ 35.2526, 0.5114,
0.3894

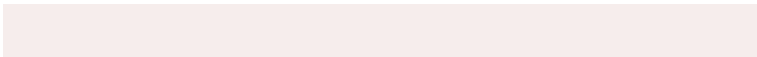
■ 31.2518, 0.5438,
0.3874

■ 27.9592, 0.5712,
0.3802

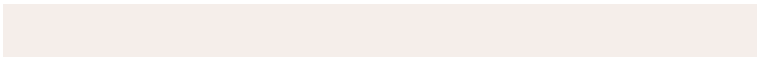
Harmonies

Analogous

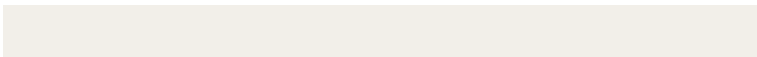
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5021, 0.3193, 0.3300



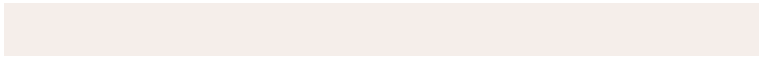
86.5021, 0.3199, 0.3330



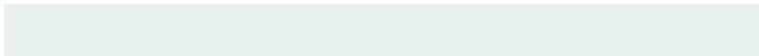
86.5021, 0.3186, 0.3350

Triad

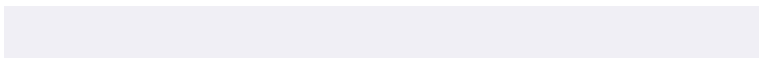
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5021, 0.3199, 0.3330



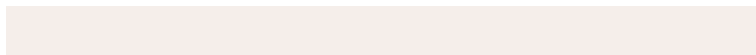
86.5021, 0.3085, 0.3313



86.5021, 0.3098, 0.3228

Complementary

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



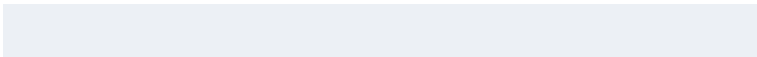
86.5021, 0.3199, 0.3330



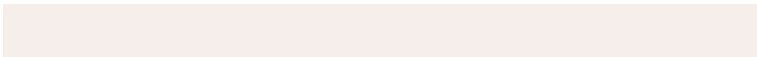
87.0532, 0.3058, 0.3250

Split Complementary

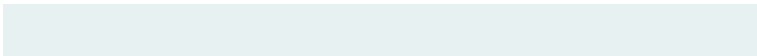
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5021, 0.3069, 0.3231



86.5021, 0.3199, 0.3330



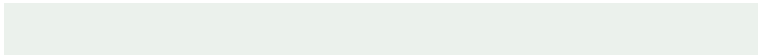
86.5021, 0.3062, 0.3280

Square

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



86.5021, 0.3199, 0.3330



86.5021, 0.3120, 0.3340



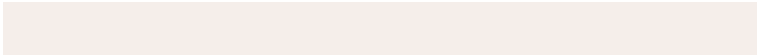
86.5021, 0.3056, 0.3250



86.5021, 0.3134, 0.3241

Rectangle

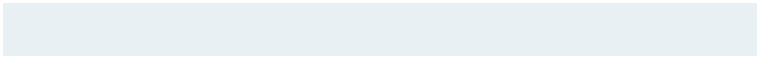
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



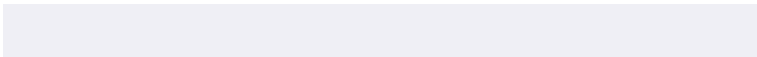
86.5021, 0.3199, 0.3330



86.5021, 0.3168, 0.3354



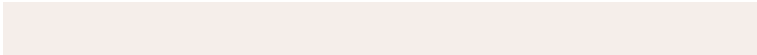
86.5021, 0.3056, 0.3250



86.5021, 0.3087, 0.3227

Sweetspot

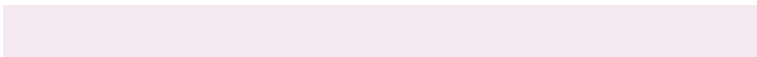
The Sweet Spot groups the original color and five complimentary colors.



86.5059, 0.3199, 0.3330



98.7995, 0.3143, 0.3299



84.6377, 0.3157, 0.3218



21.1598, 0.3142, 0.3298



0.0000, 0.0000, 0.0000



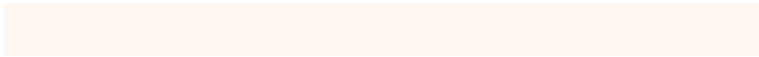
21.4041, 0.3127, 0.3290

Same Dimension

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



86.5059, 0.3199, 0.3330



94.1071, 0.3207, 0.3335



89.7094, 0.3195, 0.3384



18.2917, 0.3219, 0.3341



14.4669, 0.5809, 0.3770



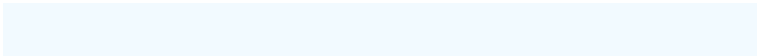
1.4590, 0.5570, 0.3959

Inverse Universe

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



87.0532, 0.3058, 0.3250



94.7703, 0.3050, 0.3245



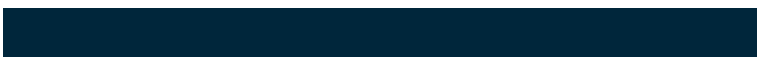
83.8904, 0.3059, 0.3194



18.4386, 0.3039, 0.3239



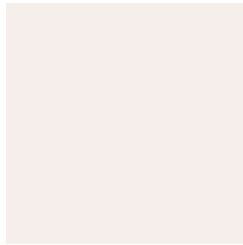
16.7916, 0.1907, 0.2067



1.6701, 0.1955, 0.2237

Previews

White Background



This preview shows how the Yxy color 86.5021, 0.3199, 0.3330 looks on a white background.

Color Contrast Check

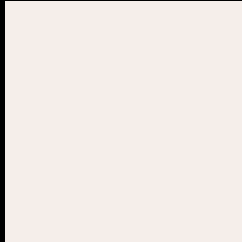
Large Text (above 18pt) WCAG AA × Fail

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 86.5021, 0.3199, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

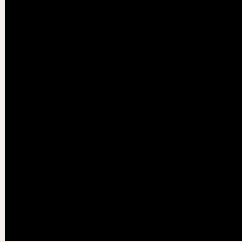
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

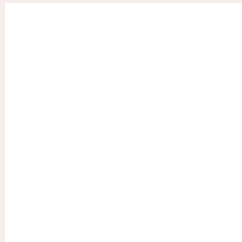
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5021, 0.3199, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 86.5021, 0.3199, 0.3330.

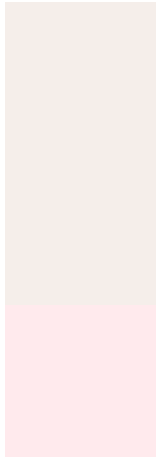


This preview shows how white text looks on a background with the Yxy color 86.5021, 0.3199, 0.3330.

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

86.5021, 0.3199, 0.3330

Protanopia

86.5021, 0.3199, 0.3330

Deuteranopia

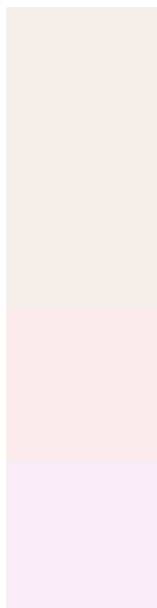
86.2201, 0.3251, 0.3261



Tritanopia

86.5289, 0.3096, 0.3104

Trichromacy



Original Color

86.5021, 0.3199, 0.3330

Protanomaly

86.5021, 0.3199, 0.3330

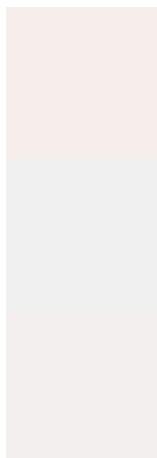
Deuteranomaly

85.9820, 0.3229, 0.3280

Tritanomaly

86.4805, 0.3132, 0.3182

Monochromacy



Original Color

86.5021, 0.3199, 0.3330

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.7833, 0.3153, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5021, 0.3199, 0.3330 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(245, 238, 234)` looks like.

```
.text, #text, p{  
    color:rgb(245, 238, 234)  
}
```

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(245, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 238, 234) }
```

Border

The CSS property to change the border of an element to Yxy 86.5021, 0.3199, 0.3330 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(245, 238, 234) }
```

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

```
.border{ border-color:rgb(245, 238, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 238, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(245, 238,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5021, 0.3199, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 238, 234) }
```

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

```
.background{ background-color: rgb(245,  
238, 234) }
```

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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