

Converting Colors

Yxy(87.1446, 0.3195, 0.3356)

Have a look what the booklet for
Yxy(87.1446, 0.3195, 0.3356)
contains.

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Color

Yxy(87.4365, 0.3197, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	F4F0E9
RGB	244, 240, 233
RGB Percent	96%, 94%, 91%
CMY	0.0429, 0.0589, 0.0862
CMYK	0.00, 0.02, 0.05, 0.04
HSL	38°, 34%, 94%
HSV	38°, 5%, 96%
XYZ	83.1948, 87.4365, 89.5964
YIQ	240.3980, 4.6310, -1.3290

Conversions

Conversions Part 2

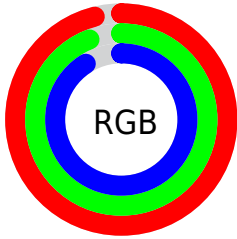
Format	Color
R _Y B	239, 244, 233
Decimal	16052457
CIE Lab	94.92, 0.17, 3.83
CIE LCh	95, 3.835, 87.449
Yxy	87.4365, 0.3197, 0.3360
Android (android.graphics.Color)	4294242537 (0xFFFF4F0E9)
YUV	240.3980, -3.6472, 3.1590
Hunter-Lab	93.5075, -4.8244, 8.6451

Details

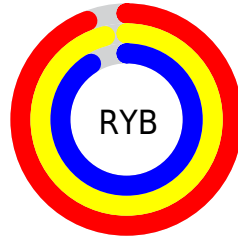
The Yxy color **87.4365, 0.3197, 0.3360** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4889, 0.3058, 0.3219**, and the grayscale version is **87.5016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1467, 0.3217, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **80.9634, 0.3364, 0.3521**, and if you desaturate by 10%, it is **94.2166, 0.3061, 0.3231**.

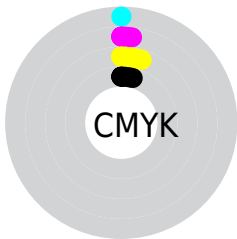
Distribution



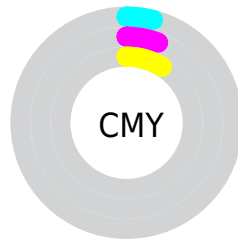
- Red (96%)
- Green (94%)
- Blue (91%)



- Red (94%)
- Yellow (96%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (4%)




- Cyan (4%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4365, 0.3197, 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 87.4365, 0.3197, 0.3360 by changing the saturation by 10% instead.


 87.4365, 0.3197,
0.3360

 87.4365, 0.3197,
0.3360


519.6561, 0.3166,
0.3329

 65.8565, 0.3204,
0.3367


143.7724, 0.3186,
0.3349

 48.1559, 0.3212,
0.3375


179.2971, 0.3182,
0.3345

 33.9504, 0.3223,
0.3386


220.2387, 0.3178,
0.3342

 22.8555, 0.3236,
0.3399

266.9818, 0.3175,
0.3338

 14.4868, 0.3254,
0.3417

319.9107, 0.3172,
0.3336

 8.4600, 0.3279,
0.3442

379.4098, 0.3170,

 4.3907, 0.3317,

0.3333

0.3479

445.8635, 0.3168,
0.3331

■ 1.8944, 0.3378,
0.3540

■ 0.5450, 0.3749,
0.3913

■ 87.4365, 0.3197,
0.3360

■ 87.4365, 0.3197,
0.3360

■ 80.9634, 0.3364,
0.3521

■ 94.2166, 0.3061,
0.3231

■ 74.9316, 0.3549,
0.3688

■ 97.9847, 0.3060,
0.3290

■ 69.3325, 0.3751,
0.3857

■ 64.1532, 0.3967,
0.4020

■ 59.3797, 0.4191,
0.4169

■ 54.9969, 0.4415,
0.4292

■ 50.9884, 0.4628,
0.4378

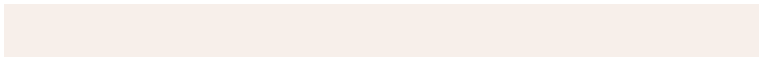
■ 47.3355, 0.4818,
0.4415

■ 44.0162, 0.4975,
0.4399

Harmonies

Analogous

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



87.4365, 0.3212, 0.3336



87.4365, 0.3197, 0.3360



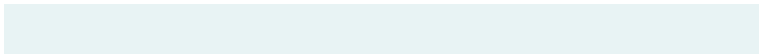
87.4365, 0.3163, 0.3365

Triad

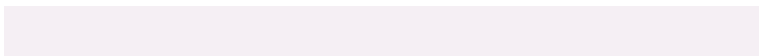
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4365, 0.3197, 0.3360



87.4365, 0.3051, 0.3279



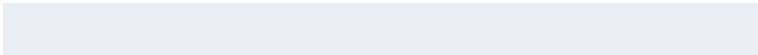
87.4365, 0.3134, 0.3232

Complementary

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



87.4365, 0.3197, 0.3360



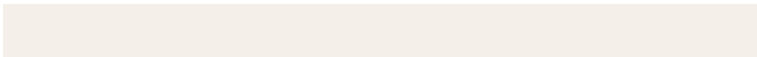
84.4889, 0.3058, 0.3219

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.



87.4365, 0.3091, 0.3216



87.4365, 0.3197, 0.3360



87.4365, 0.3043, 0.3243

Square

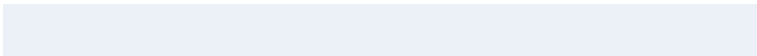
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



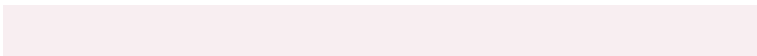
87.4365, 0.3197, 0.3360



87.4365, 0.3079, 0.3318



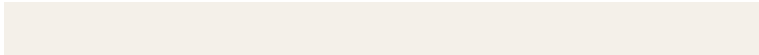
87.4365, 0.3058, 0.3221



87.4365, 0.3176, 0.3262

Rectangle

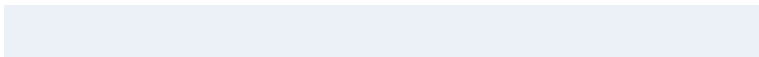
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4365, 0.3197, 0.3360



87.4365, 0.3134, 0.3357



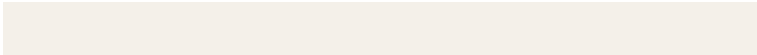
87.4365, 0.3058, 0.3221



87.4365, 0.3120, 0.3225

Sweetspot

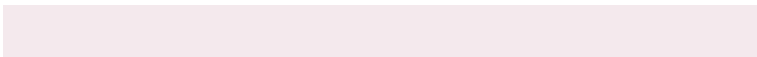
The Sweet Spot groups the original color and five complimentary colors.



87.4403, 0.3197, 0.3360



99.2373, 0.3142, 0.3305



83.6630, 0.3175, 0.3248



21.2489, 0.3142, 0.3305



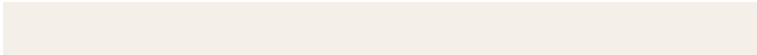
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



87.4403, 0.3197, 0.3360



96.2374, 0.3205, 0.3368



89.6398, 0.3186, 0.3401



18.7637, 0.3216, 0.3378



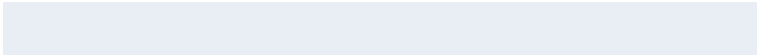
23.2702, 0.5032, 0.4387



2.2413, 0.4899, 0.4492

Inverse Universe

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



84.4889, 0.3058, 0.3219



92.6386, 0.3050, 0.3211



82.3693, 0.3067, 0.3177



17.9662, 0.3040, 0.3200



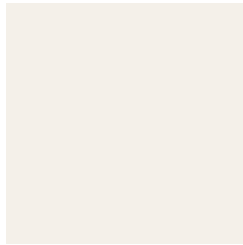
7.7790, 0.1660, 0.1175



0.8733, 0.1729, 0.1423

Previews

White Background



This preview shows how the Yxy color 87.4365, 0.3197, 0.3360 looks on a white background.

Color Contrast Check

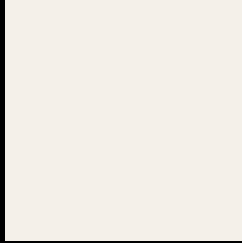
Large Text (above 18pt) WCAG AA × Fail

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 87.4365, 0.3197, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

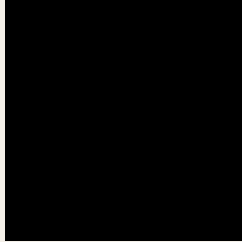
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

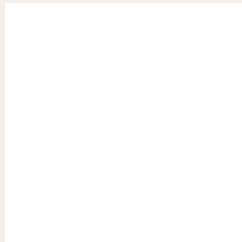
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4365, 0.3197, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 87.4365, 0.3197, 0.3360.

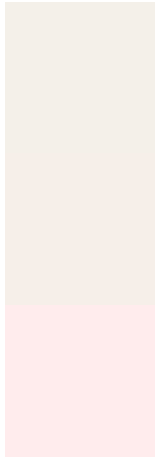


This preview shows how white text looks on a background with the Yxy color 87.4365, 0.3197, 0.3360.

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

87.4365, 0.3197, 0.3360

Protanopia

87.2090, 0.3211, 0.3350

Deuteranopia

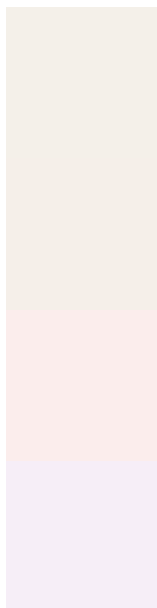
87.3653, 0.3249, 0.3281



Tritanopia

87.5625, 0.3083, 0.3114

Trichromacy



Original Color

87.4365, 0.3197, 0.3360

Protanomaly

87.0287, 0.3204, 0.3350

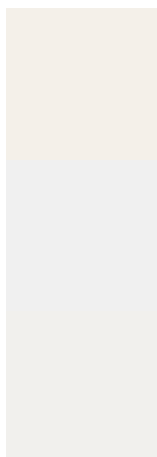
Deuteranomaly

87.1337, 0.3227, 0.3300

Tritanomaly

87.4573, 0.3125, 0.3201

Monochromacy



Original Color

87.4365, 0.3197, 0.3360

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.1354, 0.3152, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4365, 0.3197, 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(244, 240, 233)` looks like.

```
.text, #text, p{  
    color:rgb(244, 240, 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(244, 240, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 240, 233) }
```

Border

The CSS property to change the border of an element to Yxy 87.4365, 0.3197, 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(244, 240, 233) }
```

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

```
.border{ border-color:rgb(244, 240, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 240, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 240, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 240, 233);  
box-shadow:4px 4px 4px 4px rgb(244, 240,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4365, 0.3197, 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(244, 240, 233) }
```

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

```
.background{ background-color: rgb(244,  
240, 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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