

Converting Colors

$Y_{xy}(104.3013, 0.3868, 0.3413)$

Have a look what the booklet for
Yxy(104.3013, 0.3868, 0.3413)
contains.

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Color

Yxy(87.1023, 0.3345, 0.3439)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDDE
RGB	255, 237, 222
RGB Percent	100%, 93%, 87%
CMY	0.0000, 0.0706, 0.1294
CMYK	0.00, 0.07, 0.13, 0.00
HSL	27°, 100%, 94%
HSV	27°, 13%, 100%
XYZ	84.7215, 87.1023, 81.4542
YIQ	240.6720, 15.5430, -0.8490

Conversions

Conversions Part 2

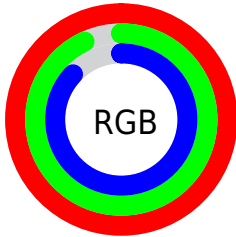
Format	Color
R _Y B	255, 250, 222
Decimal	16772574
CIE Lab	94.78, 3.69, 9.45
CIE LCh	95, 10.140, 68.668
Yxy	87.1023, 0.3345, 0.3439
Android (android.graphics.Color)	4294962654 (0xFFFFE _D D _E)
YUV	240.6720, -9.2053, 12.5657
Hunter-Lab	93.3286, -1.2870, 13.5836

Details

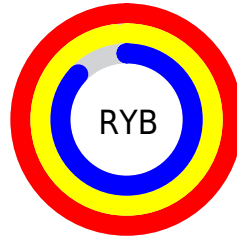
The Yxy color **87.1023, 0.3345, 0.3439** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0761, 0.2925, 0.3136**, and the grayscale version is **87.7513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8435, 0.3391, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **78.0837, 0.3542, 0.3561**, and if you desaturate by 10%, it is **96.9431, 0.3173, 0.3323**.

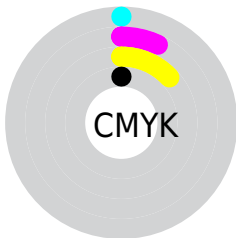
Distribution



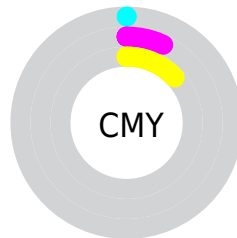
- Red (100%)
- Green (93%)
- Blue (87%)



- Red (100%)
- Yellow (98%)
- Blue (87%)



- Cyan (0%)
- Magenta (7%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1023, 0.3345, 0.3439 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 87.1023, 0.3345, 0.3439 by changing the saturation by 10% instead.


 87.1023, 0.3345,
0.3439

 87.1023, 0.3345,
0.3439

518.5590, 0.3247,
0.3373

 65.5799, 0.3367,
0.3453


143.3067, 0.3312,
0.3417

 47.9314, 0.3393,
0.3471


178.7575, 0.3298,
0.3408

 33.7726, 0.3426,
0.3493


219.6198, 0.3287,
0.3400

 22.7189, 0.3469,
0.3521

266.2782, 0.3277,
0.3393

 14.3861, 0.3526,
0.3557

319.1168, 0.3268,
0.3387

 8.3897, 0.3605,
0.3607

378.5203, 0.3260,

 4.3453, 0.3722,

0.3382

0.3679

444.8728, 0.3253,
0.3377

■ 1.8685, 0.3914,
0.3793

■ 0.5294, 0.5284,
0.4716

■ 87.1023, 0.3345,
0.3439

■ 87.1023, 0.3345,
0.3439

■ 78.0837, 0.3542,
0.3561

■ 96.9431, 0.3173,
0.3323

■ 69.8789, 0.3768,
0.3686

100.0000, 0.3127,
0.3290

■ 62.4584, 0.4022,
0.3809

■ 55.7962, 0.4301,
0.3920

■ 49.8645, 0.4598,
0.4010

■ 44.6335, 0.4897,
0.4064

■ 40.0704, 0.5180,
0.4070

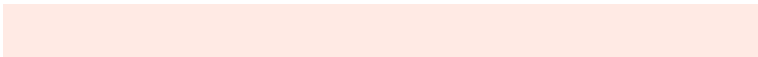
■ 36.1383, 0.5426,
0.4021

■ 33.7127, 0.5572,
0.3958

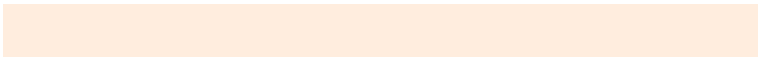
Harmonies

Analogous

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



87.1023, 0.3348, 0.3353



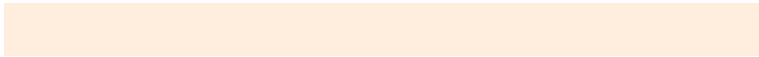
87.1023, 0.3345, 0.3439



87.1023, 0.3283, 0.3487

Triad

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



87.1023, 0.3345, 0.3439



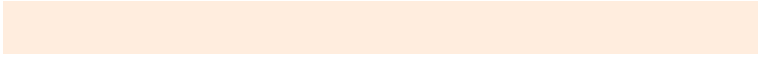
87.1023, 0.2966, 0.3326



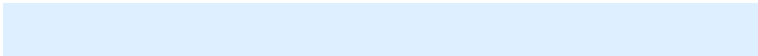
87.1023, 0.3072, 0.3107

Complementary

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



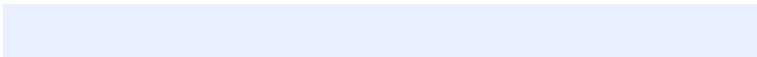
87.1023, 0.3345, 0.3439



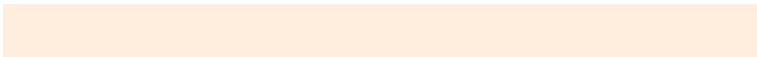
85.0761, 0.2925, 0.3136

Split Complementary

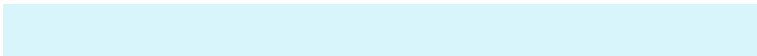
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1023, 0.2972, 0.3097



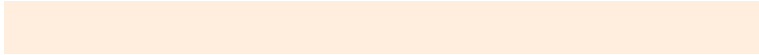
87.1023, 0.3345, 0.3439



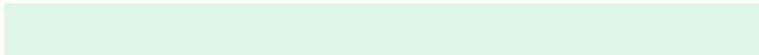
87.1023, 0.2912, 0.3221

Square

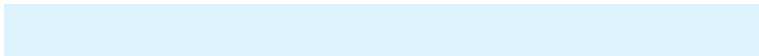
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1023, 0.3345, 0.3439



87.1023, 0.3063, 0.3422



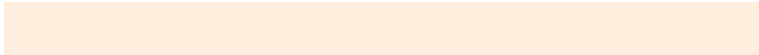
87.1023, 0.2914, 0.3138



87.1023, 0.3189, 0.3163

Rectangle

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



87.1023, 0.3345, 0.3439



87.1023, 0.3217, 0.3490



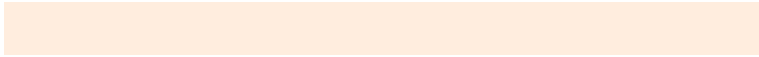
87.1023, 0.2914, 0.3138



87.1023, 0.3035, 0.3098

Sweetspot

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



87.0973, 0.3345, 0.3439



95.8600, 0.3190, 0.3335



79.8036, 0.3240, 0.3111



20.3546, 0.3202, 0.3343



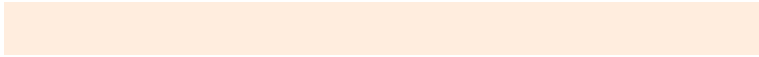
0.0000, 0.0000, 0.0000



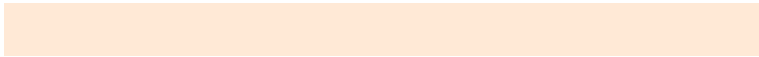
21.4041, 0.3127, 0.3290

Same Dimension

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



87.0973, 0.3345, 0.3439



84.2523, 0.3402, 0.3476



97.0058, 0.3324, 0.3596



19.3462, 0.3283, 0.3398



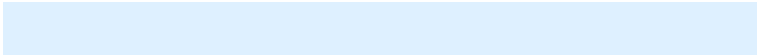
17.9051, 0.5545, 0.3980



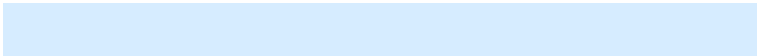
1.9583, 0.5352, 0.4132

Inverse Universe

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



85.0761, 0.2925, 0.3136



81.8061, 0.2876, 0.3097



75.8740, 0.2920, 0.2965



19.0208, 0.2979, 0.3179



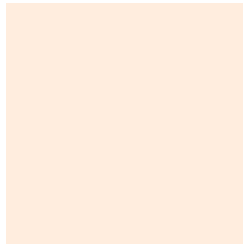
13.7487, 0.1814, 0.1729



1.5571, 0.1867, 0.1921

Previews

White Background



This preview shows how the Yxy color 87.1023, 0.3345, 0.3439 looks on a white background.

Color Contrast Check

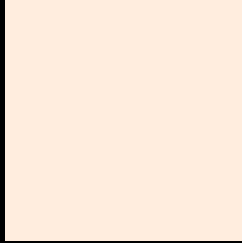
Large Text (above 18pt) WCAG AA × Fail

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 87.1023, 0.3345, 0.3439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

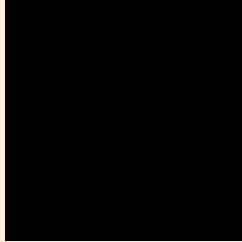
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.1023, 0.3345, 0.3439

Background



This preview shows how black text looks on a background with the Yxy color 87.1023, 0.3345, 0.3439.

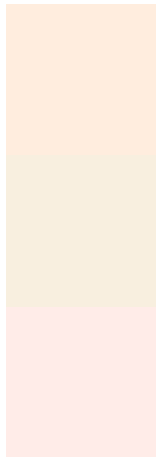


This preview shows how white text looks on a background with the Yxy color 87.1023, 0.3345, 0.3439.

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

87.1023, 0.3345, 0.3439

Protanopia

87.0172, 0.3288, 0.3451

Deuteranopia

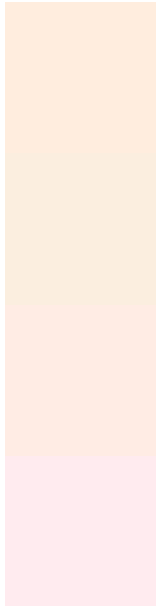
87.0771, 0.3281, 0.3330



Tritanopia

86.9452, 0.3174, 0.3145

Trichromacy



Original Color

87.1023, 0.3345, 0.3439

Protanomaly

86.9860, 0.3309, 0.3440

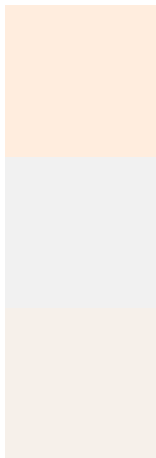
Deuteranomaly

86.8523, 0.3307, 0.3369

Tritanomaly

86.9087, 0.3237, 0.3251

Monochromacy



Original Color

87.1023, 0.3345, 0.3439

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.8535, 0.3204, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1023, 0.3345, 0.3439 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(255, 237, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 222)  
}
```

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(255, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 222) }
```

Border

The CSS property to change the border of an element to Yxy 87.1023, 0.3345, 0.3439 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(255, 237, 222) }
```

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

```
.border{ border-color:rgb(255, 237, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1023, 0.3345, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 222) }
```

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

```
.background{ background-color: rgb(255,  
237, 222) }
```

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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