

Converting Colors

$Y_{xy}(87.8302, 0.3278, 0.3442)$

Have a look what the booklet for
Yxy(87.8302, 0.3278, 0.3442)
contains.

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Color

Yxy(87.8962, 0.3281, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	F9F0E1
RGB	249, 240, 225
RGB Percent	98%, 94%, 88%
CMY	0.0233, 0.0589, 0.1176
CMYK	0.00, 0.04, 0.10, 0.02
HSL	37°, 67%, 93%
HSV	37°, 10%, 98%
XYZ	83.8336, 87.8962, 83.7825
YIQ	240.9810, 10.1790, -2.7570

Conversions

Conversions Part 2

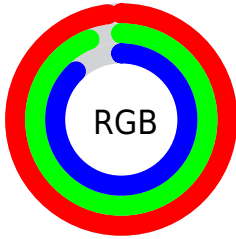
Format	Color
R _Y B	239, 249, 225
Decimal	16380129
CIE Lab	95.12, 0.56, 8.31
CIE LCh	95, 8.329, 86.178
Yxy	87.8962, 0.3281, 0.3440
Android (android.graphics.Color)	4294570209 (0xFFFF9F0E1)
YUV	240.9810, -7.8786, 7.0327
Hunter-Lab	93.7530, -4.4537, 12.6425

Details

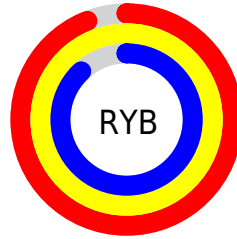
The Yxy color **87.8962, 0.3281, 0.3440** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.7407, 0.2977, 0.3135**, and the grayscale version is **88.0128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5207, 0.3317, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **81.2504, 0.3458, 0.3603**, and if you desaturate by 10%, it is **95.0343, 0.3122, 0.3285**.

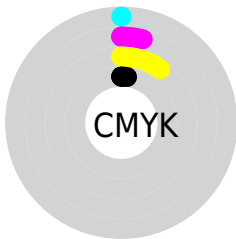
Distribution



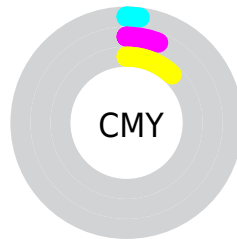
- Red (98%)
- Green (94%)
- Blue (88%)



- Red (94%)
- Yellow (98%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (2%)





- Cyan (2%)
- Magenta (6%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8962, 0.3281, 0.3440 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 87.8962, 0.3281, 0.3440 by changing the saturation by 10% instead.


 87.8962, 0.3281,
0.3440

 87.8962, 0.3281,
0.3440


521.1633, 0.3212,
0.3373

 66.2371, 0.3296,
0.3455


144.4126, 0.3258,
0.3417

 48.4649, 0.3315,
0.3473

180.0388, 0.3248,
0.3408

 34.1952, 0.3338,
0.3495


221.0894, 0.3240,
0.3400

 23.0436, 0.3368,
0.3524

267.9488, 0.3233,
0.3394

 14.6257, 0.3407,
0.3562

321.0016, 0.3227,
0.3388

 8.5571, 0.3462,
0.3615

380.6320, 0.3222,

 4.4535, 0.3542,

0.3382

0.3692

447.2244, 0.3217,
0.3377

■ 1.9303, 0.3674,
0.3818

■ 0.5665, 0.4782,
0.4908

■ 87.8962, 0.3281,
0.3440

■ 87.8962, 0.3281,
0.3440

■ 81.2504, 0.3458,
0.3603

■ 95.0343, 0.3122,
0.3285

■ 75.0725, 0.3653,
0.3770

■ 98.8909, 0.3091,
0.3290

■ 69.3528, 0.3865,
0.3935

■ 64.0769, 0.4088,
0.4091

■ 59.2292, 0.4316,
0.4227

■ 54.7930, 0.4539,
0.4330

■ 50.7495, 0.4745,
0.4390

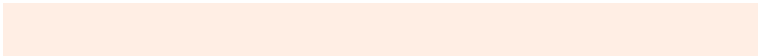
■ 47.0772, 0.4923,
0.4398

■ 43.7446, 0.5068,
0.4356

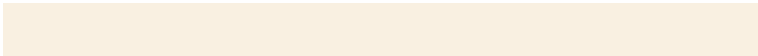
Harmonies

Analogous

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



87.8962, 0.3313, 0.3386



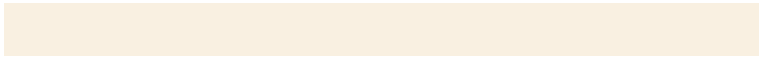
87.8962, 0.3281, 0.3440



87.8962, 0.3208, 0.3454

Triad

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



87.8962, 0.3281, 0.3440



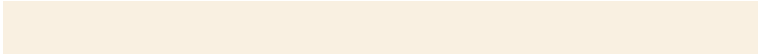
87.8962, 0.2964, 0.3269



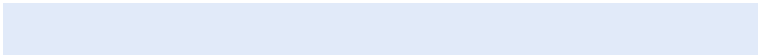
87.8962, 0.3138, 0.3162

Complementary

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



87.8962, 0.3281, 0.3440



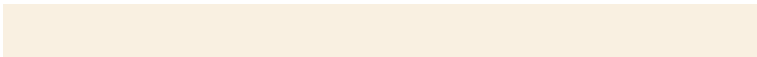
81.7407, 0.2977, 0.3135

Split Complementary

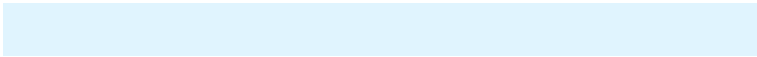
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8962, 0.3045, 0.3131



87.8962, 0.3281, 0.3440



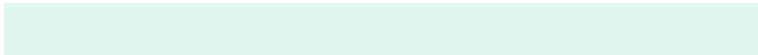
87.8962, 0.2945, 0.3191

Square

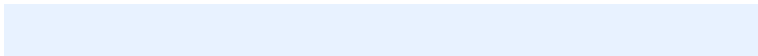
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8962, 0.3281, 0.3440



87.8962, 0.3025, 0.3354



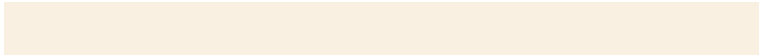
87.8962, 0.2975, 0.3141



87.8962, 0.3229, 0.3227

Rectangle

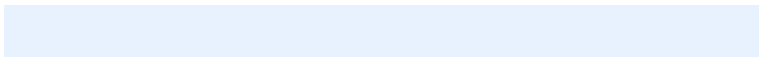
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8962, 0.3281, 0.3440



87.8962, 0.3146, 0.3438



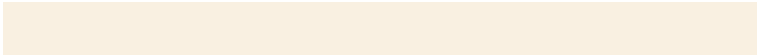
87.8962, 0.2975, 0.3141



87.8962, 0.3106, 0.3148

Sweetspot

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



87.9001, 0.3281, 0.3440



97.6900, 0.3173, 0.3336



79.9566, 0.3235, 0.3198



20.7792, 0.3186, 0.3348



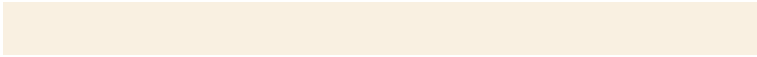
0.0000, 0.0000, 0.0000



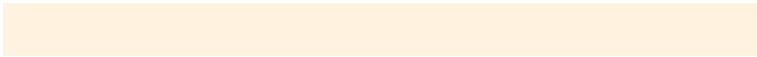
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9001, 0.3281, 0.3440



91.0399, 0.3321, 0.3478



92.8640, 0.3253, 0.3530



19.0264, 0.3278, 0.3437



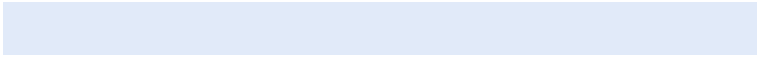
23.6273, 0.5054, 0.4369



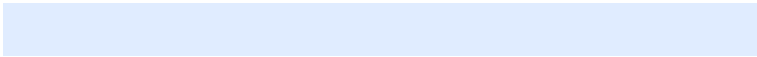
2.3923, 0.4924, 0.4472

Inverse Universe

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



81.7407, 0.2977, 0.3135



83.0881, 0.2939, 0.3095



77.1585, 0.2995, 0.3041



17.7157, 0.2979, 0.3138



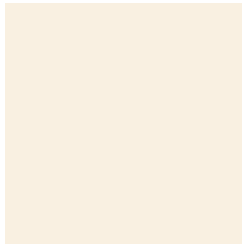
8.1890, 0.1665, 0.1194



0.9551, 0.1731, 0.1430

Previews

White Background



This preview shows how the Yxy color 87.8962, 0.3281, 0.3440 looks on a white background.

Color Contrast Check

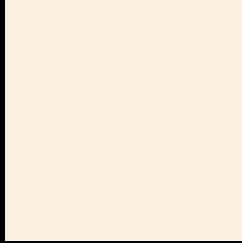
Large Text (above 18pt) WCAG AA × Fail

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 87.8962, 0.3281, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

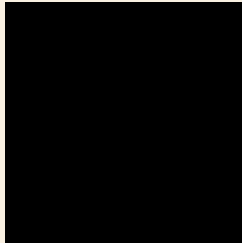
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

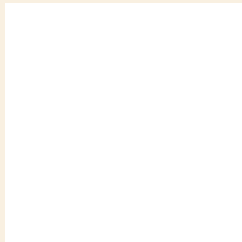
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8962, 0.3281, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 87.8962, 0.3281, 0.3440.

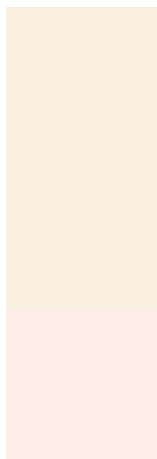


This preview shows how white text looks on a background with the Yxy color 87.8962, 0.3281, 0.3440.

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

87.8962, 0.3281, 0.3440

Protanopia

87.8962, 0.3281, 0.3440

Deuteranopia

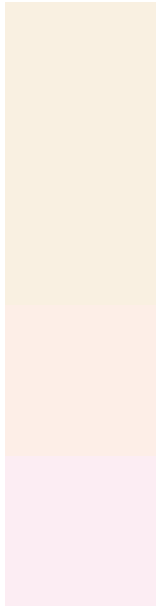
87.7689, 0.3267, 0.3320



Tritanopia

88.0293, 0.3129, 0.3116

Trichromacy



Original Color

87.8962, 0.3281, 0.3440

Protanomaly

87.8962, 0.3281, 0.3440

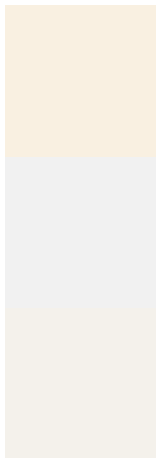
Deuteranomaly

87.8012, 0.3272, 0.3360

Tritanomaly

87.7349, 0.3190, 0.3231

Monochromacy



Original Color

87.8962, 0.3281, 0.3440

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.1418, 0.3184, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8962, 0.3281, 0.3440 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(249, 240, 225)` looks like.

```
.text, #text, p{  
    color:rgb(249, 240, 225)  
}
```

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(249, 240, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 240, 225) }
```

Border

The CSS property to change the border of an element to Yxy 87.8962, 0.3281, 0.3440 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(249, 240, 225) }
```

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

```
.border{ border-color:rgb(249, 240, 225) }
```

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

Here you see how a box with a 4 pixel rgb(249, 240, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 240, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 240, 225);  
box-shadow:4px 4px 4px 4px rgb(249, 240,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8962, 0.3281, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 240, 225) }
```

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

```
.background{ background-color: rgb(249,  
240, 225) }
```

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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