

Converting Colors

$Y_{xy}(87.8618, 0.3312, 0.3383)$

Have a look what the booklet for
Yxy(87.8618, 0.3312, 0.3383)
contains.

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Color

Yxy(87.4298, 0.3306, 0.3379)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDE4
RGB	255, 237, 228
RGB Percent	100%, 93%, 89%
CMY	0.0000, 0.0706, 0.1058
CMYK	0.00, 0.07, 0.11, 0.00
HSL	20°, 100%, 95%
HSV	20°, 11%, 100%
XYZ	85.5410, 87.4298, 85.7738
YIQ	241.3560, 13.6170, 1.0170

Conversions

Conversions Part 2

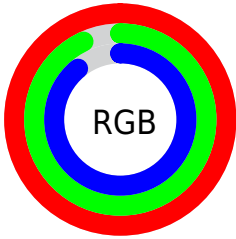
Format	Color
RYB	255, 242, 228
Decimal	16772580
CIELab	94.92, 4.64, 6.53
CIELCh	95, 8.009, 54.619
Yxy	87.4298, 0.3306, 0.3379
Android (android.graphics.Color)	4294962660 (0xFFFFE4E4)
YUV	241.3560, -6.5845, 11.9658
Hunter-Lab	93.5039, -0.3332, 11.0643

Details

The Yxy color **87.4298, 0.3306, 0.3379** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6409, 0.2963, 0.3199**, and the grayscale version is **88.2986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0706, 0.3341, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **76.7213, 0.3506, 0.3469**, and if you desaturate by 10%, it is **99.2729, 0.3136, 0.3295**.

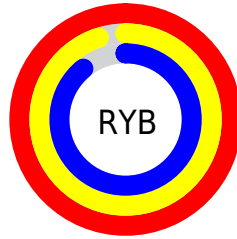
Distribution



Red (100%)

Green (93%)

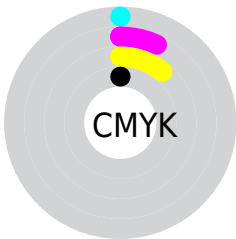
Blue (89%)



Red (100%)

Yellow (95%)

Blue (89%)

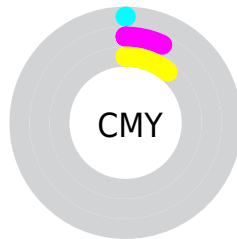


Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4298, 0.3306, 0.3379 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 87.4298, 0.3306, 0.3379 by changing the saturation by 10% instead.


 87.4298, 0.3306,
0.3379

 87.4298, 0.3306,
0.3379


519.6341, 0.3226,
0.3340

 65.8509, 0.3324,
0.3388

143.7631, 0.3279,
0.3366

 48.1514, 0.3346,
0.3398


179.2862, 0.3268,
0.3360

 33.9468, 0.3373,
0.3411


220.2263, 0.3258,
0.3356

 22.8527, 0.3408,
0.3427

266.9677, 0.3250,
0.3352

 14.4848, 0.3454,
0.3448

319.8948, 0.3243,
0.3348

 8.4586, 0.3519,
0.3478

379.3920, 0.3237,

 4.3898, 0.3616,

0.3345

0.3520

445.8436, 0.3231,
0.3342

■ 1.8939, 0.3776,
0.3586

■ 0.5447, 0.4808,
0.4151

■ 87.4298, 0.3306,
0.3379

■ 87.4298, 0.3306,
0.3379

■ 76.7213, 0.3506,
0.3469

99.2729, 0.3136,
0.3295

■ 67.1265, 0.3741,
0.3561

100.0000, 0.3127,
0.3290

■ 58.6038, 0.4015,
0.3653

■ 51.1143, 0.4327,
0.3737

■ 44.6164, 0.4670,
0.3803

■ 39.0656, 0.5029,
0.3840

■ 34.4133, 0.5379,
0.3835

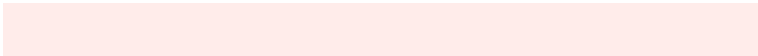
■ 30.6056, 0.5685,
0.3779

■ 27.7307, 0.5913,
0.3687

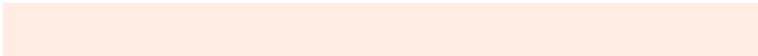
Harmonies

Analogous

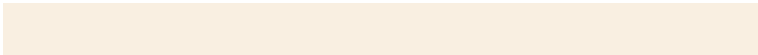
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4298, 0.3285, 0.3303



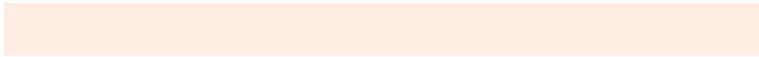
87.4298, 0.3306, 0.3379



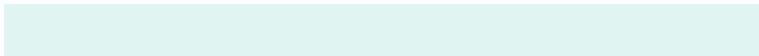
87.4298, 0.3278, 0.3433

Triad

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



87.4298, 0.3306, 0.3379



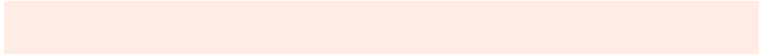
87.4298, 0.3033, 0.3356



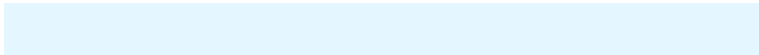
87.4298, 0.3044, 0.3136

Complementary

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



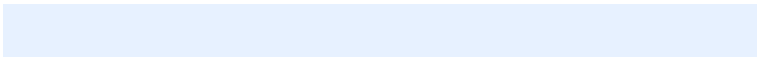
87.4298, 0.3306, 0.3379



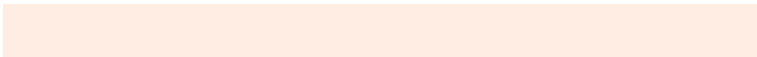
89.6409, 0.2963, 0.3199

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.



87.4298, 0.2978, 0.3148



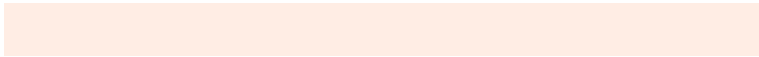
87.4298, 0.3306, 0.3379



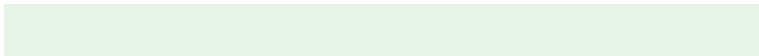
87.4298, 0.2972, 0.3274

Square

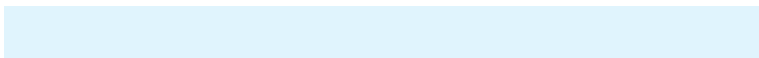
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4298, 0.3306, 0.3379



87.4298, 0.3120, 0.3420



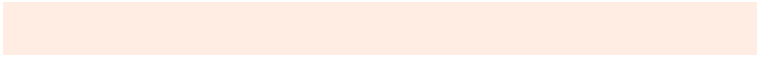
87.4298, 0.2952, 0.3198



87.4298, 0.3133, 0.3165

Rectangle

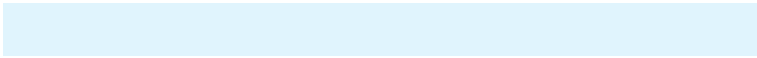
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4298, 0.3306, 0.3379



87.4298, 0.3236, 0.3448



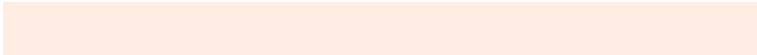
87.4298, 0.2952, 0.3198



87.4298, 0.3018, 0.3136

Sweetspot

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



87.4251, 0.3306, 0.3379



96.3030, 0.3175, 0.3315



83.4355, 0.3194, 0.3110



20.4051, 0.3188, 0.3321



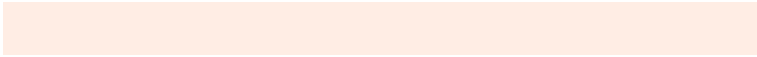
0.0000, 0.0000, 0.0000



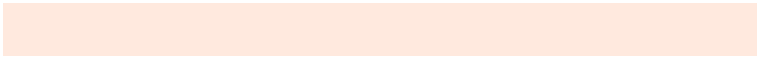
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4251, 0.3306, 0.3379



84.7348, 0.3351, 0.3400



95.2659, 0.3291, 0.3505



18.9742, 0.3286, 0.3370



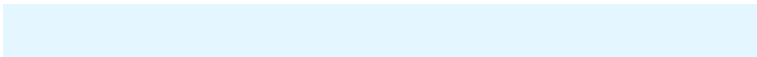
14.7334, 0.5883, 0.3711



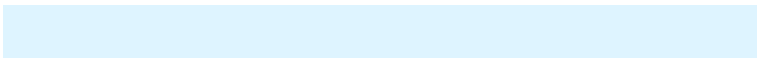
1.6256, 0.5664, 0.3885

Inverse Universe

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



89.6409, 0.2963, 0.3199



87.4103, 0.2925, 0.3177



81.9714, 0.2961, 0.3065



19.4034, 0.2980, 0.3209



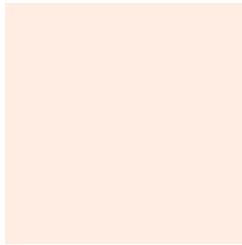
19.1134, 0.1934, 0.2161



2.0619, 0.1974, 0.2305

Previews

White Background



This preview shows how the Yxy color 87.4298, 0.3306, 0.3379 looks on a white background.

Color Contrast Check

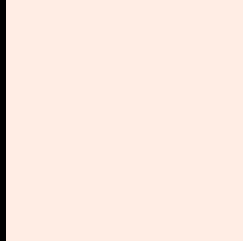
Large Text (above 18pt) WCAG AA × Fail

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 87.4298, 0.3306, 0.3379 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 87.4298, 0.3306, 0.3379

Background



This preview shows how black text looks on a background with the Yxy color 87.4298, 0.3306, 0.3379.

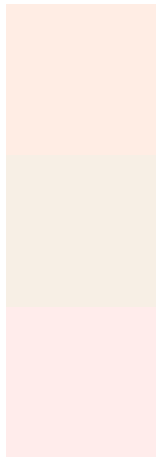


This preview shows how white text looks on a background with the Yxy color 87.4298, 0.3306, 0.3379.

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

87.4298, 0.3306, 0.3379

Protanopia

87.1643, 0.3243, 0.3390

Deuteranopia

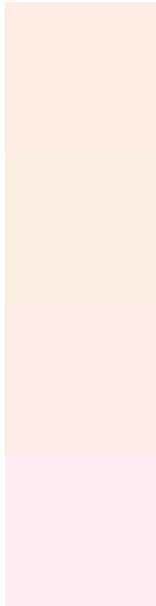
87.2491, 0.3262, 0.3300



Tritanopia

87.5788, 0.3167, 0.3145

Trichromacy



Original Color

87.4298, 0.3306, 0.3379

Protanomaly

87.1302, 0.3264, 0.3380

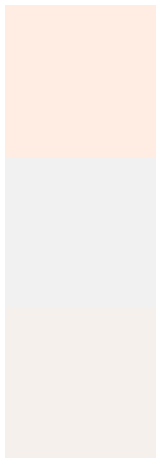
Deuteranomaly

87.0771, 0.3281, 0.3330

Tritanomaly

87.6617, 0.3217, 0.3232

Monochromacy



Original Color

87.4298, 0.3306, 0.3379

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9691, 0.3191, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4298, 0.3306, 0.3379 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 228) }
```

Border

The CSS property to change the border of an element to Yxy 87.4298, 0.3306, 0.3379 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, 228) }
```

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

```
.border{ border-color:rgb(255, 237, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4298, 0.3306, 0.3379 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, 228) }
```

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

```
.background{ background-color: rgb(255,  
237, 228) }
```

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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