

Converting Colors

$Y_{xy}(87.7344, 0.3272, 0.3328)$

Have a look what the booklet for
Yxy(87.7344, 0.3272, 0.3328)
contains.

Yxy(87.7116, 0.3274, 0.3330)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.7116, 0.3274, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDE9
RGB	255, 237, 233
RGB Percent	100%, 93%, 91%
CMY	0.0000, 0.0706, 0.0864
CMYK	0.00, 0.07, 0.09, 0.00
HSL	11°, 100%, 96%
HSV	11°, 9%, 100%
XYZ	86.2366, 87.7116, 89.4500
YIQ	241.9260, 12.0120, 2.5720

Conversions

Conversions Part 2

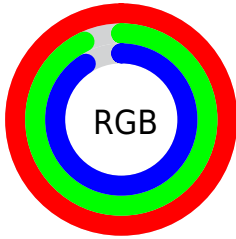
Format	Color
R _Y B	255, 238, 233
Decimal	16772585
CIE Lab	95.04, 5.43, 4.13
CIE LCh	95, 6.823, 37.282
Yxy	87.7116, 0.3274, 0.3330
Android (android.graphics.Color)	4294962665 (0xFFFFE9)
YUV	241.9260, -4.4005, 11.4659
Hunter-Lab	93.6545, 0.4666, 8.9298

Details

The Yxy color **87.7116, 0.3274, 0.3330** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.5124, 0.2993, 0.3250**, and the grayscale version is **88.7558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2278, 0.3308, 0.3341** is the 20% darker color. If you saturate the color by 10%, you get **74.9849, 0.3477, 0.3380**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

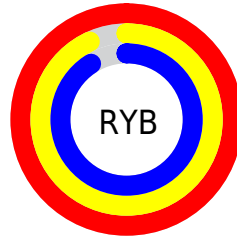
Distribution



Red (100%)

Green (93%)

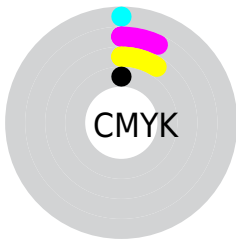
Blue (91%)



Red (100%)

Yellow (93%)

Blue (91%)

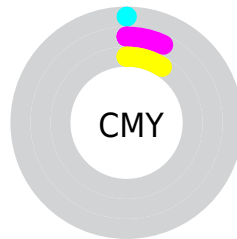


Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7116, 0.3274, 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 87.7116, 0.3274, 0.3330 by changing the saturation by 10% instead.


 87.7116, 0.3274,
0.3330

 87.7116, 0.3274,
0.3330


520.5583, 0.3208,
0.3313

 66.0842, 0.3289,
0.3334


144.1556, 0.3251,
0.3324

 48.3408, 0.3306,
0.3338


179.7410, 0.3243,
0.3322

 34.0968, 0.3329,
0.3344


220.7479, 0.3235,
0.3320

 22.9680, 0.3357,
0.3351

267.5607, 0.3228,
0.3318

 14.5699, 0.3396,
0.3360

320.5637, 0.3222,
0.3316

 8.5181, 0.3449,
0.3373

380.1414, 0.3217,

 4.4282, 0.3528,

0.3315

0.3390

446.6781, 0.3212,
0.3314

■ 1.9159, 0.3659,
0.3417

■ 0.5579, 0.4306,
0.3625

■ 87.7116, 0.3274,
0.3330

■ 87.7116, 0.3274,
0.3330

■ 74.9849, 0.3477,
0.3380

100.0000, 0.3127,
0.3290

■ 63.8157, 0.3724,
0.3431

■ 54.1417, 0.4021,
0.3482

■ 45.8990, 0.4370,
0.3529

■ 39.0189, 0.4766,
0.3564

■ 33.4270, 0.5191,
0.3579

■ 29.0414, 0.5607,
0.3565

■ 25.7707, 0.5960,
0.3517

■ 23.5063, 0.6206,
0.3442

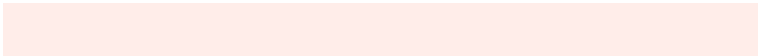
Harmonies

Analogous

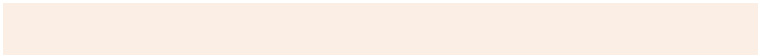
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7116, 0.3234, 0.3262



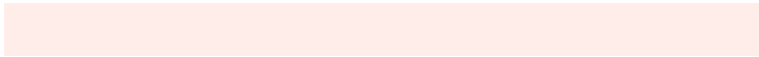
87.7116, 0.3274, 0.3330



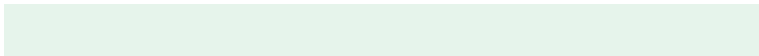
87.7116, 0.3274, 0.3388

Triad

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



87.7116, 0.3274, 0.3330



87.7116, 0.3088, 0.3381



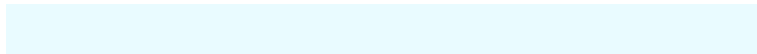
87.7116, 0.3020, 0.3160

Complementary

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



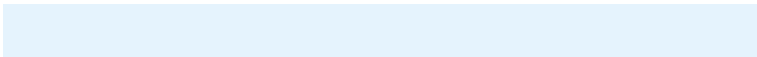
87.7116, 0.3274, 0.3330



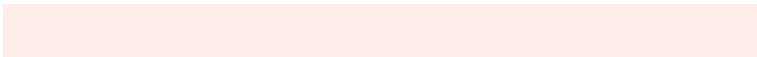
93.5124, 0.2993, 0.3250

Split Complementary

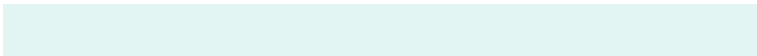
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7116, 0.2982, 0.3190



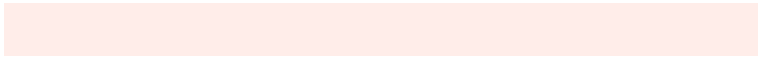
87.7116, 0.3274, 0.3330



87.7116, 0.3021, 0.3317

Square

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



87.7116, 0.3274, 0.3330



87.7116, 0.3166, 0.3419



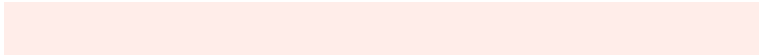
87.7116, 0.2983, 0.3247



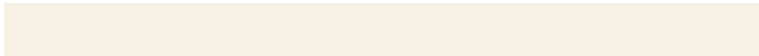
87.7116, 0.3087, 0.3165

Rectangle

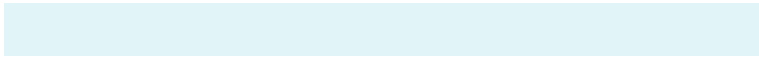
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



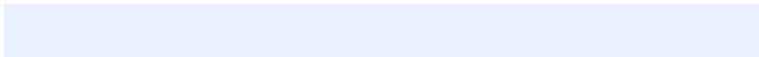
87.7116, 0.3274, 0.3330



87.7116, 0.3252, 0.3414



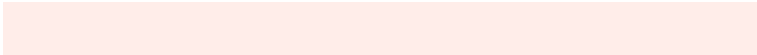
87.7116, 0.2983, 0.3247



87.7116, 0.3004, 0.3167

Sweetspot

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



87.7095, 0.3274, 0.3330



95.5940, 0.3175, 0.3304



86.5051, 0.3160, 0.3112



20.2144, 0.3189, 0.3307



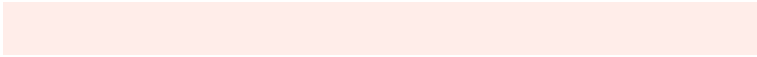
0.0000, 0.0000, 0.0000



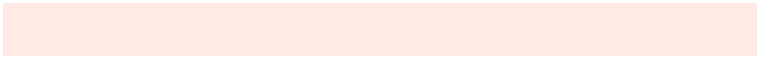
21.4041, 0.3127, 0.3290

Same Dimension

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



87.7095, 0.3274, 0.3330



85.8857, 0.3299, 0.3337



94.0647, 0.3263, 0.3433



18.5246, 0.3290, 0.3334



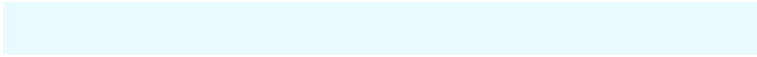
12.3109, 0.6210, 0.3451



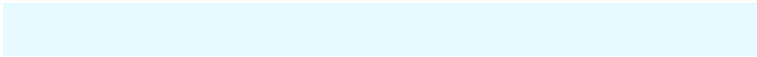
1.3366, 0.6011, 0.3610

Inverse Universe

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



93.5124, 0.2993, 0.3250



92.5389, 0.2972, 0.3243



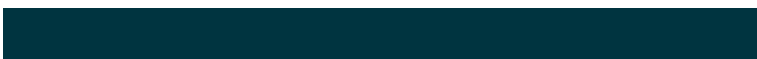
87.0420, 0.2993, 0.3143



19.8828, 0.2980, 0.3245



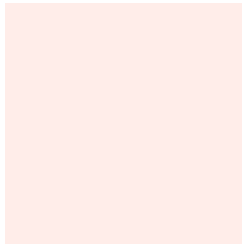
27.6334, 0.2081, 0.2692



2.8307, 0.2102, 0.2768

Previews

White Background



This preview shows how the Yxy color 87.7116, 0.3274, 0.3330 looks on a white background.

Color Contrast Check

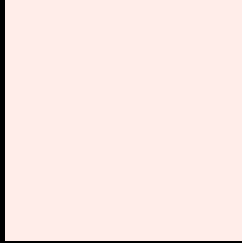
Large Text (above 18pt) WCAG AA × Fail

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 87.7116, 0.3274, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

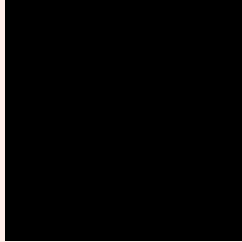
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

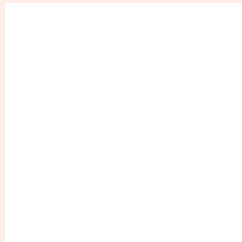
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7116, 0.3274, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 87.7116, 0.3274, 0.3330.

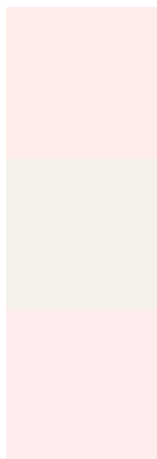


This preview shows how white text looks on a background with the Yxy color 87.7116, 0.3274, 0.3330.

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

87.7116, 0.3274, 0.3330

Protanopia

87.8535, 0.3204, 0.3350

Deuteranopia

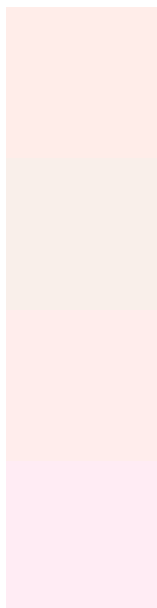
87.9428, 0.3248, 0.3290



Tritanopia

87.6417, 0.3161, 0.3135

Trichromacy



Original Color

87.7116, 0.3274, 0.3330

Protanomaly

87.8133, 0.3225, 0.3340

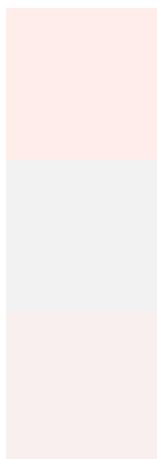
Deuteranomaly

87.8845, 0.3254, 0.3300

Tritanomaly

87.7826, 0.3204, 0.3212

Monochromacy



Original Color

87.7116, 0.3274, 0.3330

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.3263, 0.3179, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7116, 0.3274, 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(255, 237, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 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(255, 237, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 233) }
```

Border

The CSS property to change the border of an element to Yxy 87.7116, 0.3274, 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(255, 237, 233) }
```

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

```
.border{ border-color:rgb(255, 237, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7116, 0.3274, 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(255, 237, 233) }
```

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

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