

Converting Colors

$Y_{xy}(91.1321, 0.3516, 0.3479)$

Have a look what the booklet for
Yxy(91.1321, 0.3516, 0.3479)
contains.

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Color

Yxy(86.8381, 0.3377, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDD9
RGB	255, 237, 217
RGB Percent	100%, 93%, 85%
CMY	0.0000, 0.0706, 0.1489
CMYK	0.00, 0.07, 0.15, 0.00
HSL	32°, 100%, 93%
HSV	32°, 15%, 100%
XYZ	84.0505, 86.8381, 78.0025
YIQ	240.1020, 17.1480, -2.4040

Conversions

Conversions Part 2

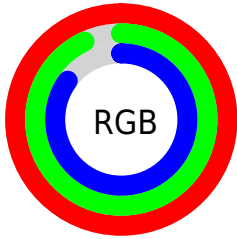
Format	Color
R _Y B	251, 255, 217
Decimal	16772569
CIE Lab	94.67, 2.90, 11.85
CIE LCh	95, 12.203, 76.261
Yxy	86.8381, 0.3377, 0.3489
Android (android.graphics.Color)	4294962649 (0xFFFFEDD9)
YUV	240.1020, -11.3893, 13.0655
Hunter-Lab	93.1870, -2.0781, 15.6020

Details

The Yxy color **86.8381, 0.3377, 0.3489** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.4098, 0.2893, 0.3083**, and the grayscale version is **87.3060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6621, 0.3434, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **78.8512, 0.3573, 0.3631**, and if you desaturate by 10%, it is **95.5094, 0.3204, 0.3353**.

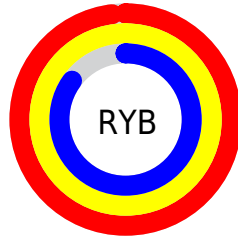
Distribution



Red (100%)

Green (93%)

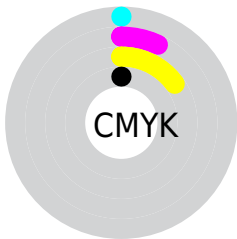
Blue (85%)



Red (98%)

Yellow (100%)

Blue (85%)

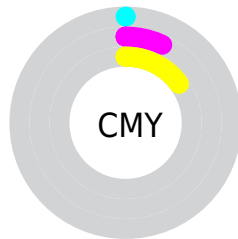


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8381, 0.3377, 0.3489 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 86.8381, 0.3377, 0.3489 by changing the saturation by 10% instead.


 86.8381, 0.3377,
0.3489

 86.8381, 0.3377,
0.3489

517.6907, 0.3265,
0.3400

 65.3612, 0.3402,
0.3508


142.9385, 0.3339,
0.3459

 47.7541, 0.3432,
0.3532

178.3307, 0.3324,
0.3447

 33.6322, 0.3470,
0.3561


219.1303, 0.3310,
0.3437

 22.6112, 0.3519,
0.3599

265.7215, 0.3299,
0.3428

 14.3067, 0.3584,
0.3648

318.4887, 0.3289,
0.3420

 8.3343, 0.3673,
0.3715

377.8164, 0.3280,

 4.3096, 0.3806,

0.3413

0.3812

444.0890, 0.3272,
0.3406

■ 1.8482, 0.4021,
0.3964

■ 0.5169, 0.5209,
0.4791

■ 86.8381, 0.3377,
0.3489

■ 86.8381, 0.3377,
0.3489

■ 78.8512, 0.3573,
0.3631

■ 95.5094, 0.3204,
0.3353

■ 71.5186, 0.3793,
0.3774

99.9988, 0.3127,
0.3290

■ 64.8245, 0.4034,
0.3913

■ 58.7481, 0.4293,
0.4038

■ 53.2670, 0.4560,
0.4138

■ 48.3570, 0.4822,
0.4200

■ 43.9911, 0.5063,
0.4211

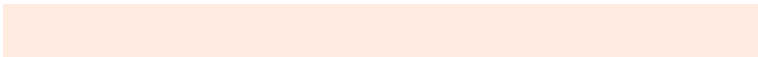
■ 40.1383, 0.5267,
0.4167

■ 38.3476, 0.5358,
0.4127

Harmonies

Analogous

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



86.8381, 0.3400, 0.3394



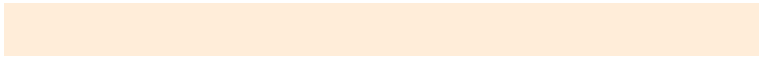
86.8381, 0.3377, 0.3489



86.8381, 0.3286, 0.3533

Triad

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



86.8381, 0.3377, 0.3489



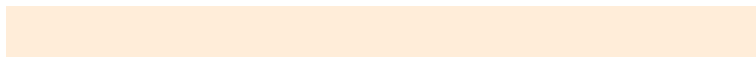
86.8381, 0.2911, 0.3300



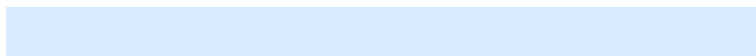
86.8381, 0.3096, 0.3083

Complementary

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



86.8381, 0.3377, 0.3489



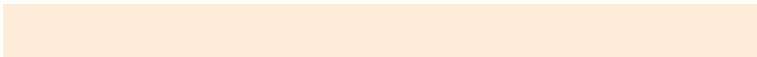
81.4098, 0.2893, 0.3083

Split Complementary

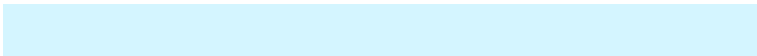
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8381, 0.2967, 0.3055



86.8381, 0.3377, 0.3489



86.8381, 0.2862, 0.3177

Square

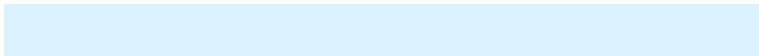
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8381, 0.3377, 0.3489



86.8381, 0.3017, 0.3423



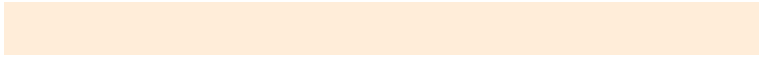
86.8381, 0.2882, 0.3088



86.8381, 0.3235, 0.3162

Rectangle

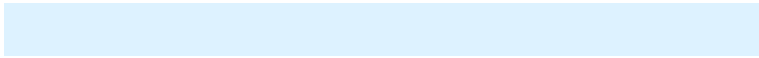
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8381, 0.3377, 0.3489



86.8381, 0.3201, 0.3525



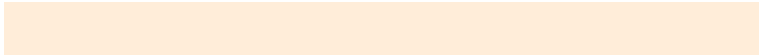
86.8381, 0.2882, 0.3088



86.8381, 0.3050, 0.3067

Sweetspot

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



86.8420, 0.3377, 0.3489



96.3146, 0.3190, 0.3342



76.9250, 0.3277, 0.3108



20.4696, 0.3202, 0.3352



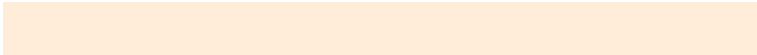
0.0000, 0.0000, 0.0000



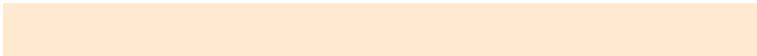
21.4041, 0.3127, 0.3290

Same Dimension

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



86.8420, 0.3377, 0.3489



84.2854, 0.3436, 0.3533



97.6670, 0.3347, 0.3661



19.5687, 0.3281, 0.3415



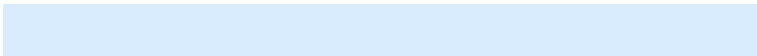
20.3400, 0.5334, 0.4147



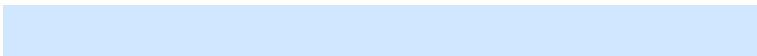
2.1993, 0.5168, 0.4278

Inverse Universe

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



81.4098, 0.2893, 0.3083



77.8602, 0.2842, 0.3035



71.7202, 0.2890, 0.2891



18.7977, 0.2979, 0.3162



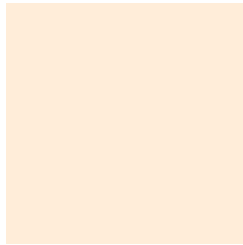
11.1939, 0.1747, 0.1488



1.3068, 0.1806, 0.1700

Previews

White Background



This preview shows how the Yxy color 86.8381, 0.3377, 0.3489 looks on a white background.

Color Contrast Check

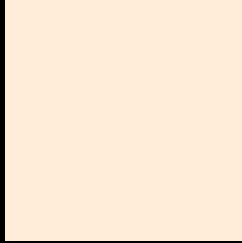
Large Text (above 18pt) WCAG AA × Fail

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 86.8381, 0.3377, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

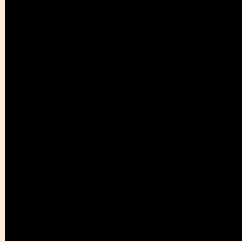
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8381, 0.3377, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 86.8381, 0.3377, 0.3489.

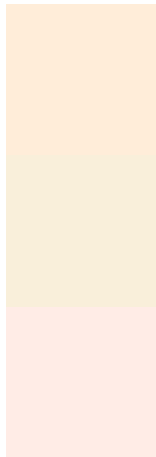


This preview shows how white text looks on a background with the Yxy color 86.8381, 0.3377, 0.3489.

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

86.8381, 0.3377, 0.3489

Protanopia

86.9347, 0.3326, 0.3501

Deuteranopia

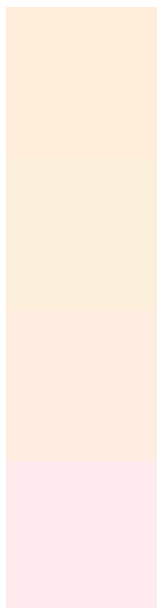
86.9641, 0.3294, 0.3350



Tritanopia

86.8829, 0.3180, 0.3154

Trichromacy



Original Color

86.8381, 0.3377, 0.3489

Protanomaly

86.7203, 0.3342, 0.3491

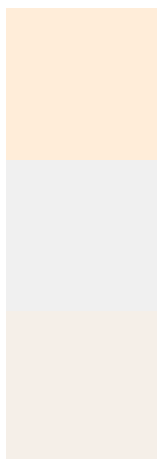
Deuteranomaly

86.6871, 0.3326, 0.3399

Tritanomaly

86.7911, 0.3250, 0.3271

Monochromacy



Original Color

86.8381, 0.3377, 0.3489

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.9717, 0.3210, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8381, 0.3377, 0.3489 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 217) }
```

Border

The CSS property to change the border of an element to Yxy 86.8381, 0.3377, 0.3489 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, 217) }
```

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

```
.border{ border-color:rgb(255, 237, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8381, 0.3377, 0.3489 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
237, 217) }
```

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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