

Converting Colors

$Y_{xy}(90.8776, 0.3519, 0.3551)$

Have a look what the booklet for
Yxy(90.8776, 0.3519, 0.3551)
contains.

Yxy(87.7465, 0.3407, 0.3559)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.7465, 0.3407, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFD4
RGB	255, 239, 212
RGB Percent	100%, 94%, 83%
CMY	0.0000, 0.0628, 0.1686
CMYK	0.00, 0.06, 0.17, 0.00
HSL	38°, 100%, 92%
HSV	38°, 17%, 100%
XYZ	83.9990, 87.7465, 74.8027
YIQ	240.7060, 18.2030, -5.0050

Conversions

Conversions Part 2

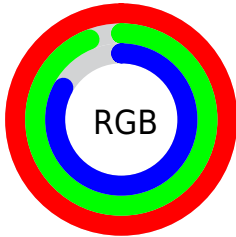
Format	Color
RYB	237, 255, 212
Decimal	16773076
CIELab	95.05, 1.14, 15.00
CIELCh	95, 15.041, 85.644
Yxy	87.7465, 0.3407, 0.3559
Android (android.graphics.Color)	4294963156 (0xFFFFEFD4)
YUV	240.7060, -14.1521, 12.5358
Hunter-Lab	93.6731, -3.8626, 18.2251

Details

The Yxy color **87.7465, 0.3407, 0.3559** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76.7134, 0.2858, 0.3006**, and the grayscale version is **87.8207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3071, 0.3471, 0.3621** is the 20% darker color. If you saturate the color by 10%, you get **81.1444, 0.3597, 0.3727**, and if you desaturate by 10%, it is **94.8403, 0.3235, 0.3397**.

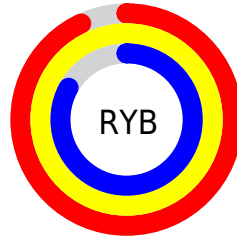
Distribution



Red (100%)

Green (94%)

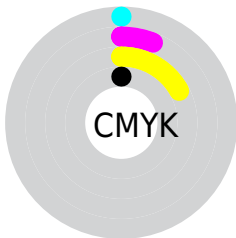
Blue (83%)



Red (93%)

Yellow (100%)

Blue (83%)

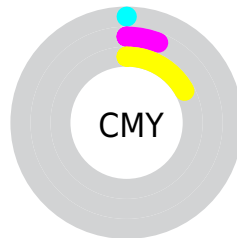


Cyan (0%)

Magenta (6%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7465, 0.3407, 0.3559 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 87.7465, 0.3407, 0.3559 by changing the saturation by 10% instead.

 87.7465, 0.3407,
0.3559

 87.7465, 0.3407,
0.3559


520.6727, 0.3282,
0.3439

 66.1131, 0.3435,
0.3585

144.2042, 0.3364,
0.3518

 48.3643, 0.3468,
0.3617


179.7973, 0.3347,
0.3502

 34.1154, 0.3510,
0.3657


220.8125, 0.3333,
0.3488

 22.9823, 0.3564,
0.3708

267.6341, 0.3320,
0.3476

 14.5804, 0.3634,
0.3774

320.6465, 0.3309,
0.3465

 8.5255, 0.3731,
0.3865

380.2341, 0.3299,

 4.4330, 0.3873,

0.3455

0.3997

446.7814, 0.3290,
0.3447

■ 1.9186, 0.4107,
0.4212

■ 0.5595, 0.5001,
0.4999

■ 87.7465, 0.3407,
0.3559

■ 87.7465, 0.3407,
0.3559

■ 81.1444, 0.3597,
0.3727

■ 94.8403, 0.3235,
0.3397

■ 75.0253, 0.3804,
0.3895

100.0000, 0.3127,
0.3290

■ 69.3727, 0.4023,
0.4055

■ 64.1706, 0.4249,
0.4199

■ 59.4019, 0.4473,
0.4313

■ 55.0474, 0.4683,
0.4387

■ 51.0857, 0.4867,
0.4410

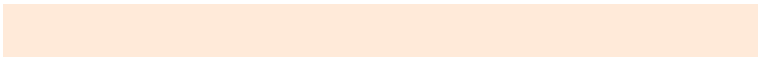
■ 47.4905, 0.5017,
0.4381

■ 46.4259, 0.5060,
0.4364

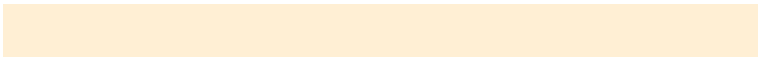
Harmonies

Analogous

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



87.7465, 0.3464, 0.3457



87.7465, 0.3407, 0.3559



87.7465, 0.3275, 0.3590

Triad

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



87.7465, 0.3407, 0.3559



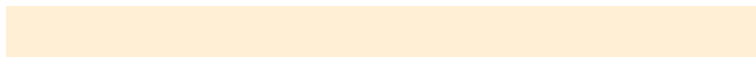
87.7465, 0.2835, 0.3251



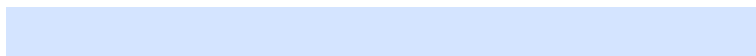
87.7465, 0.3142, 0.3061

Complementary

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



87.7465, 0.3407, 0.3559



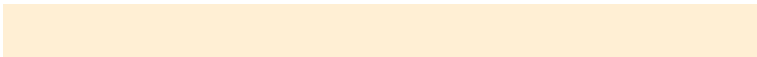
76.7134, 0.2858, 0.3006

Split Complementary

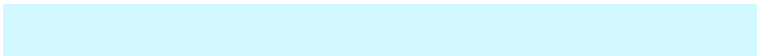
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7465, 0.2975, 0.3006



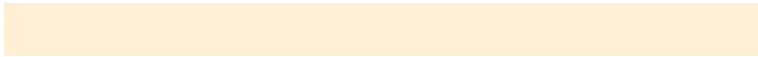
87.7465, 0.3407, 0.3559



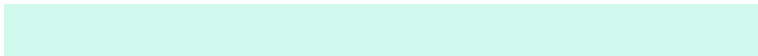
87.7465, 0.2801, 0.3110

Square

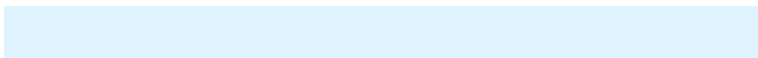
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7465, 0.3407, 0.3559



87.7465, 0.2945, 0.3409



87.7465, 0.2852, 0.3022



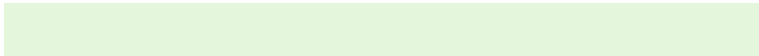
87.7465, 0.3309, 0.3174

Rectangle

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



87.7465, 0.3407, 0.3559



87.7465, 0.3163, 0.3563



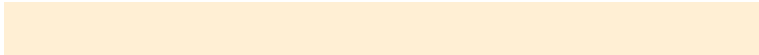
87.7465, 0.2852, 0.3022



87.7465, 0.3084, 0.3036

Sweetspot

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



87.7448, 0.3407, 0.3559



96.2147, 0.3205, 0.3367



73.9810, 0.3331, 0.3125



20.4822, 0.3216, 0.3378



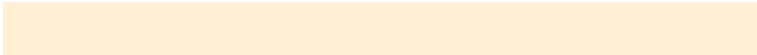
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

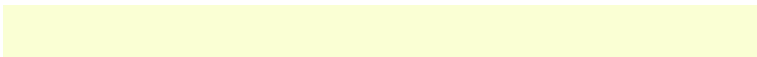
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7448, 0.3407, 0.3559



85.6186, 0.3465, 0.3611



96.5951, 0.3348, 0.3715



19.8874, 0.3278, 0.3439



24.5544, 0.5042, 0.4379



2.6004, 0.4919, 0.4476

Inverse Universe

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



76.7134, 0.2858, 0.3006



72.8252, 0.2805, 0.2946



69.0680, 0.2883, 0.2836



18.4854, 0.2979, 0.3137



8.3042, 0.1661, 0.1179



1.0096, 0.1723, 0.1404

Previews

White Background



This preview shows how the Yxy color 87.7465, 0.3407, 0.3559 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 87.7465, 0.3407, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

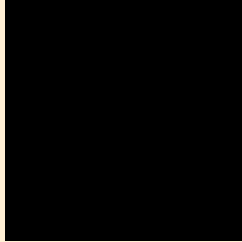
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.7465, 0.3407, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 87.7465, 0.3407, 0.3559.

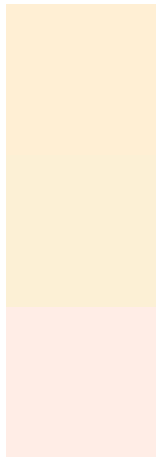


This preview shows how white text looks on a background with the Yxy color 87.7465, 0.3407, 0.3559.

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

87.7465, 0.3407, 0.3559

Protanopia

87.8197, 0.3378, 0.3561

Deuteranopia

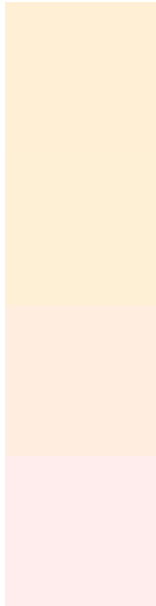
87.5415, 0.3293, 0.3359



Tritanopia

87.5162, 0.3174, 0.3154

Trichromacy



Original Color

87.7465, 0.3407, 0.3559

Protanomaly

88.0069, 0.3385, 0.3560

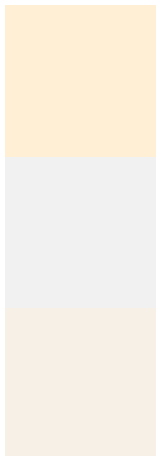
Deuteranomaly

87.7368, 0.3337, 0.3439

Tritanomaly

87.3070, 0.3255, 0.3290

Monochromacy



Original Color

87.7465, 0.3407, 0.3559

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.6262, 0.3229, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7465, 0.3407, 0.3559 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, 239, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 212)  
}
```

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, 239, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 212) }
```

Border

The CSS property to change the border of an element to Yxy 87.7465, 0.3407, 0.3559 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, 239, 212) }
```

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

```
.border{ border-color:rgb(255, 239, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7465, 0.3407, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 212) }
```

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

```
.background{ background-color: rgb(255,  
239, 212) }
```

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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