

Converting Colors

$Y_{xy}(87.1122, 0.3415, 0.3560)$

Have a look what the booklet for
Yxy(87.1122, 0.3415, 0.3560)
contains.

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Color

Yxy(87.1122, 0.3415, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	FFEED3
RGB	255, 238, 211
RGB Percent	100%, 93%, 83%
CMY	0.0001, 0.0666, 0.1726
CMYK	0.00, 0.07, 0.17, 0.00
HSL	37°, 100%, 91%
HSV	37°, 17%, 100%
XYZ	83.5641, 87.1122, 74.0209
YIQ	240.0050, 18.7990, -4.7930

Conversions

Conversions Part 2

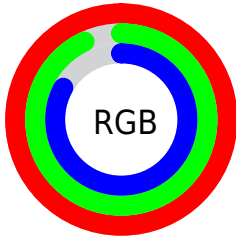
Format	Color
R _Y B	239, 255, 211
Decimal	16772819
CIE Lab	94.79, 1.47, 15.15
CIE LCh	95, 15.223, 84.462
Yxy	87.1122, 0.3415, 0.3560
Android (android.graphics.Color)	4294962899 (0xFFFFEED3)
YUV	240.0050, -14.2995, 13.1506
Hunter-Lab	93.3339, -3.5190, 18.3123

Details

The Yxy color $87.1122, 0.3415, 0.3560$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $76.5180, 0.2852, 0.3004$, and the grayscale version is $87.2440, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.8620, 0.3482, 0.3622$ is the 20% darker color. If you saturate the color by 10%, you get $80.3679, 0.3607, 0.3725$, and if you desaturate by 10%, it is $94.3796, 0.3241, 0.3401$.

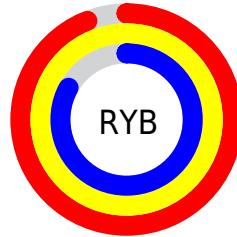
Distribution



Red (100%)

Green (93%)

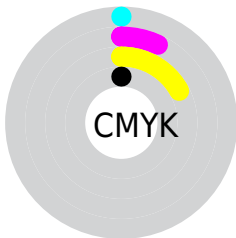
Blue (83%)



Red (94%)

Yellow (100%)

Blue (83%)

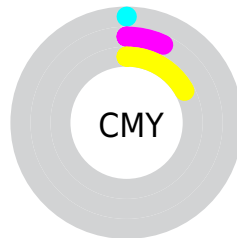


Cyan (0%)

Magenta (7%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1122, 0.3415, 0.3560 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 87.1122, 0.3415, 0.3560 by changing the saturation by 10% instead.


 87.1122, 0.3415,
0.3560

 87.1122, 0.3415,
0.3560


518.5915, 0.3286,
0.3440

 65.5881, 0.3444,
0.3586


143.3205, 0.3371,
0.3519

 47.9381, 0.3478,
0.3619


178.7735, 0.3354,
0.3503

 33.7779, 0.3522,
0.3659


219.6382, 0.3339,
0.3489

 22.7230, 0.3577,
0.3709

266.2990, 0.3325,
0.3477

 14.3891, 0.3650,
0.3776

319.1404, 0.3314,
0.3466

 8.3918, 0.3751,
0.3868

378.5466, 0.3303,

 4.3467, 0.3898,

0.3456

0.4000

444.9022, 0.3294,
0.3447

■ 1.8693, 0.4147,
0.4221

■ 0.5298, 0.5045,
0.4955

■ 87.1122, 0.3415,
0.3560

■ 87.1122, 0.3415,
0.3560

■ 80.3679, 0.3607,
0.3725

■ 94.3796, 0.3241,
0.3401

■ 74.1207, 0.3817,
0.3889

99.9962, 0.3127,
0.3290

■ 68.3591, 0.4040,
0.4046

■ 63.0665, 0.4271,
0.4186

■ 58.2253, 0.4500,
0.4297

■ 53.8157, 0.4715,
0.4366

■ 49.8153, 0.4905,
0.4384

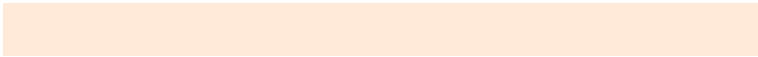
■ 46.1968, 0.5059,
0.4349

■ 45.2617, 0.5098,
0.4334

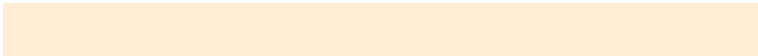
Harmonies

Analogous

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



87.1122, 0.3469, 0.3455



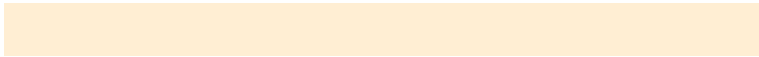
87.1122, 0.3415, 0.3560



87.1122, 0.3283, 0.3595

Triad

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



87.1122, 0.3415, 0.3560



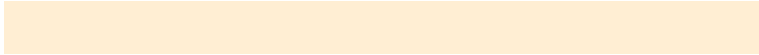
87.1122, 0.2834, 0.3257



87.1122, 0.3135, 0.3055

Complementary

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



87.1122, 0.3415, 0.3560



76.5180, 0.2852, 0.3004

Split Complementary

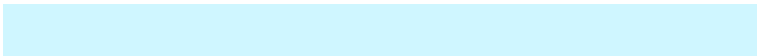
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1122, 0.2967, 0.3001



87.1122, 0.3415, 0.3560



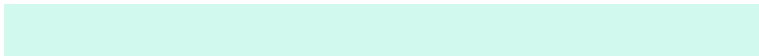
87.1122, 0.2797, 0.3112

Square

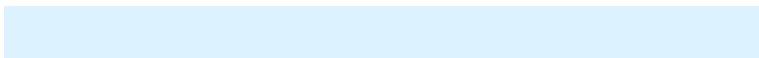
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1122, 0.3415, 0.3560



87.1122, 0.2948, 0.3417



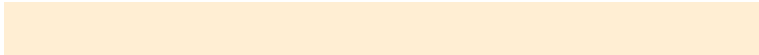
87.1122, 0.2844, 0.3020



87.1122, 0.3305, 0.3167

Rectangle

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



87.1122, 0.3415, 0.3560



87.1122, 0.3170, 0.3569



87.1122, 0.2844, 0.3020



87.1122, 0.3077, 0.3029

Sweetspot

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



87.1161, 0.3415, 0.3560



96.1096, 0.3205, 0.3366



73.4662, 0.3332, 0.3114



20.4567, 0.3216, 0.3377



0.0000, 0.0000, 0.0000



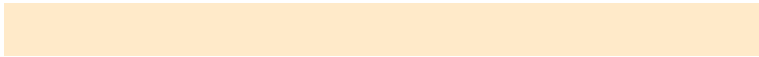
21.4041, 0.3127, 0.3290

Same Dimension

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



87.1161, 0.3415, 0.3560



84.5463, 0.3485, 0.3621



96.6404, 0.3359, 0.3725



19.8456, 0.3279, 0.3436



23.9526, 0.5079, 0.4349



2.5440, 0.4950, 0.4451

Inverse Universe

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



76.5180, 0.2852, 0.3004



71.9929, 0.2789, 0.2935



68.2993, 0.2872, 0.2824



18.5259, 0.2979, 0.3140



8.6344, 0.1671, 0.1217



1.0446, 0.1734, 0.1441

Previews

White Background



This preview shows how the Yxy color 87.1122, 0.3415, 0.3560 looks on a white background.

Color Contrast Check

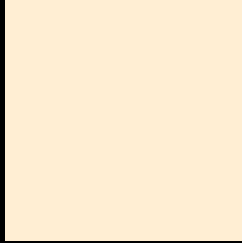
Large Text (above 18pt) WCAG AA × Fail

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 87.1122, 0.3415, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

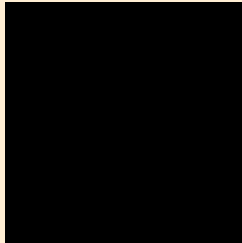
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

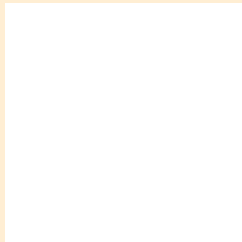
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1122, 0.3415, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 87.1122, 0.3415, 0.3560.

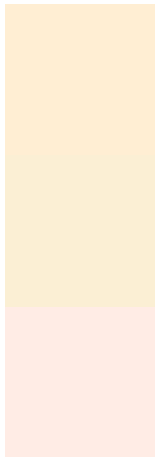


This preview shows how white text looks on a background with the Yxy color 87.1122, 0.3415, 0.3560.

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

87.1122, 0.3415, 0.3560

Protanopia

86.9957, 0.3379, 0.3562

Deuteranopia

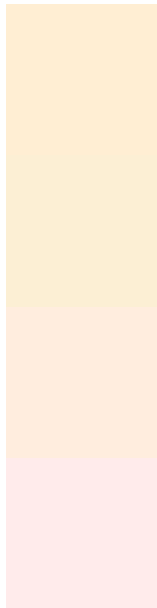
86.9080, 0.3300, 0.3360



Tritanopia

86.8829, 0.3180, 0.3154

Trichromacy



Original Color

87.1122, 0.3415, 0.3560

Protanomaly

87.1819, 0.3386, 0.3561

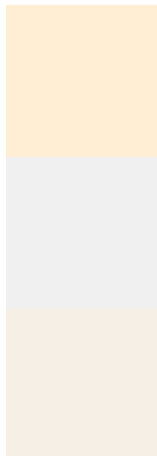
Deuteranomaly

87.1023, 0.3345, 0.3439

Tritanomaly

86.6748, 0.3263, 0.3290

Monochromacy



Original Color

87.1122, 0.3415, 0.3560

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.8026, 0.3229, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1122, 0.3415, 0.3560 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, 238, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 211)  
}
```

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, 238, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 211) }
```

Border

The CSS property to change the border of an element to Yxy 87.1122, 0.3415, 0.3560 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, 238, 211) }
```

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

```
.border{ border-color:rgb(255, 238, 211) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1122, 0.3415, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 211) }
```

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

```
.background{ background-color: rgb(255,  
238, 211) }
```

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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