

Converting Colors

$Yxy(86.8034, 0.3428, 0.3575)$

Have a look what the booklet for
Yxy(86.8034, 0.3428, 0.3575)
contains.

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Color

Yxy(87.0125, 0.3428, 0.3580)

Conversions

Conversions Part 1

Format	Color
Hex	FFFEED1
RGB	255, 238, 209
RGB Percent	100%, 93%, 82%
CMY	0.0001, 0.0666, 0.1804
CMYK	0.00, 0.07, 0.18, 0.00
HSL	38°, 100%, 91%
HSV	38°, 18%, 100%
XYZ	83.3181, 87.0125, 72.7211
YIQ	239.7770, 19.4410, -5.4150

Conversions

Conversions Part 2

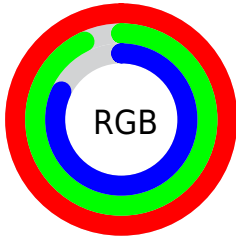
Format	Color
R_{YB}	236, 255, 209
Decimal	16772817
CIE Lab	94.74, 1.18, 16.11
CIE LCh	95, 16.158, 85.809
Yxy	87.0125, 0.3428, 0.3580
Android (android.graphics.Color)	4294962897 (0xFFFFEED1)
YUV	239.7770, -15.1731, 13.3506
Hunter-Lab	93.2805, -3.8047, 19.0741

Details

The Yxy color **87.0125, 0.3428, 0.3580** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75.1489, 0.2838, 0.2982**, and the grayscale version is **87.0643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8282, 0.3491, 0.3635** is the 20% darker color. If you saturate the color by 10%, you get **80.5152, 0.3620, 0.3749**, and if you desaturate by 10%, it is **94.0062, 0.3254, 0.3416**.

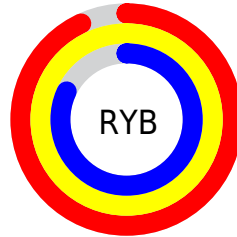
Distribution



Red (100%)

Green (93%)

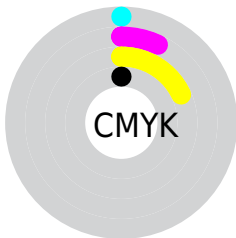
Blue (82%)



Red (93%)

Yellow (100%)

Blue (82%)

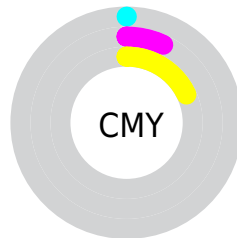


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0125, 0.3428, 0.3580 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 87.0125, 0.3428, 0.3580 by changing the saturation by 10% instead.


 87.0125, 0.3428,
0.3580

 87.0125, 0.3428,
0.3580

518.2639, 0.3293,
0.3451

 65.5056, 0.3458,
0.3608

143.1816, 0.3382,
0.3536

 47.8711, 0.3494,
0.3643


178.6125, 0.3364,
0.3519

 33.7248, 0.3539,
0.3686


219.4535, 0.3348,
0.3504

 22.6823, 0.3597,
0.3741

266.0890, 0.3334,
0.3490

 14.3591, 0.3673,
0.3812

318.9034, 0.3322,
0.3479

 8.3708, 0.3777,
0.3911

378.2811, 0.3311,

 4.3331, 0.3929,

0.3468

0.4052

444.6065, 0.3302,
0.3459

■ 1.8616, 0.4197,
0.4300

■ 0.5251, 0.5013,
0.4987

■ 87.0125, 0.3428,
0.3580

■ 87.0125, 0.3428,
0.3580

■ 80.5152, 0.3620,
0.3749

■ 94.0062, 0.3254,
0.3416

■ 74.4886, 0.3828,
0.3917

99.9971, 0.3127,
0.3290

■ 68.9219, 0.4048,
0.4077

■ 63.7991, 0.4273,
0.4218

■ 59.1030, 0.4495,
0.4329

■ 54.8145, 0.4701,
0.4398

■ 50.9116, 0.4879,
0.4416

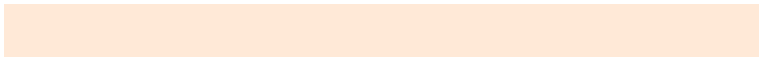
■ 47.3664, 0.5024,
0.4382

■ 46.7053, 0.5051,
0.4372

Harmonies

Analogous

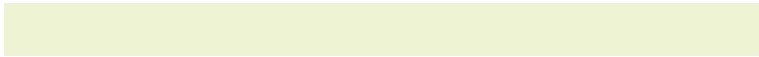
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0125, 0.3490, 0.3470



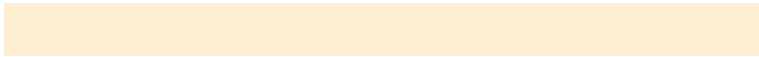
87.0125, 0.3428, 0.3580



87.0125, 0.3285, 0.3613

Triad

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



87.0125, 0.3428, 0.3580



87.0125, 0.2812, 0.3247



87.0125, 0.3144, 0.3045

Complementary

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



87.0125, 0.3428, 0.3580



75.1489, 0.2838, 0.2982

Split Complementary

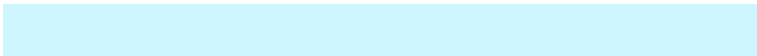
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0125, 0.2964, 0.2985



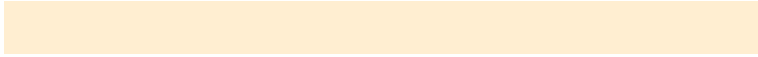
87.0125, 0.3428, 0.3580



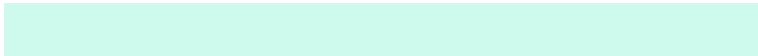
87.0125, 0.2777, 0.3095

Square

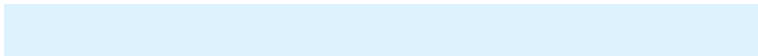
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0125, 0.3428, 0.3580



87.0125, 0.2930, 0.3417



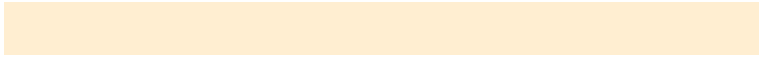
87.0125, 0.2832, 0.3001



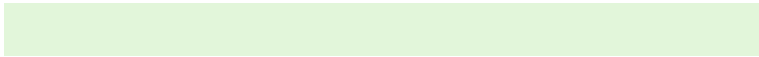
87.0125, 0.3324, 0.3165

Rectangle

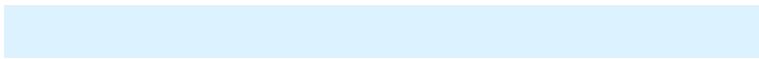
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0125, 0.3428, 0.3580



87.0125, 0.3164, 0.3584



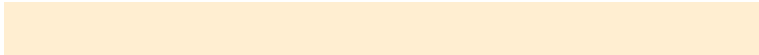
87.0125, 0.2832, 0.3001



87.0125, 0.3082, 0.3017

Sweetspot

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



87.0164, 0.3428, 0.3580



96.2403, 0.3205, 0.3368



72.3810, 0.3348, 0.3113



20.4885, 0.3216, 0.3379



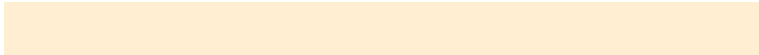
0.0000, 0.0000, 0.0000



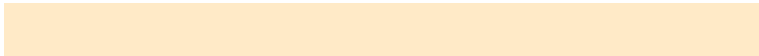
21.4041, 0.3127, 0.3290

Same Dimension

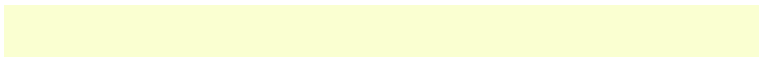
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0164, 0.3428, 0.3580



84.3932, 0.3502, 0.3647



96.3672, 0.3364, 0.3746



19.8976, 0.3278, 0.3440



24.7030, 0.5033, 0.4386



2.6143, 0.4911, 0.4482

Inverse Universe

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



75.1489, 0.2838, 0.2982



70.3272, 0.2771, 0.2906



67.1681, 0.2864, 0.2801



18.4756, 0.2979, 0.3136



8.2261, 0.1659, 0.1170



1.0013, 0.1721, 0.1395

Previews

White Background



This preview shows how the Yxy color 87.0125, 0.3428, 0.3580 looks on a white background.

Color Contrast Check

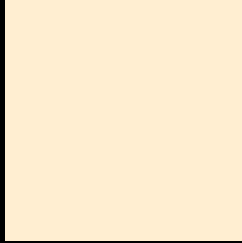
Large Text (above 18pt) WCAG AA × Fail

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 87.0125, 0.3428, 0.3580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

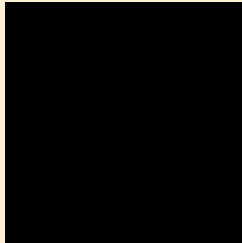
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

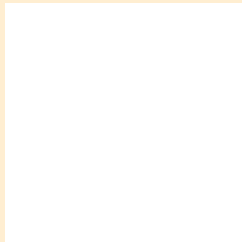
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0125, 0.3428, 0.3580

Background



This preview shows how black text looks on a background with the Yxy color 87.0125, 0.3428, 0.3580.

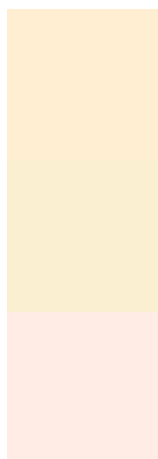


This preview shows how white text looks on a background with the Yxy color 87.0125, 0.3428, 0.3580.

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

87.0125, 0.3428, 0.3580

Protanopia

86.8954, 0.3392, 0.3582

Deuteranopia

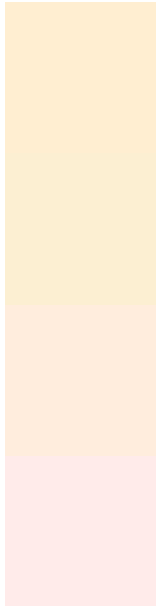
86.8523, 0.3307, 0.3369



Tritanopia

86.8829, 0.3180, 0.3154

Trichromacy



Original Color

87.0125, 0.3428, 0.3580

Protanomaly

87.0816, 0.3399, 0.3581

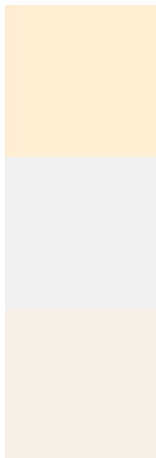
Deuteranomaly

87.0488, 0.3351, 0.3449

Tritanomaly

86.6172, 0.3269, 0.3300

Monochromacy



Original Color

87.0125, 0.3428, 0.3580

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 87.0125, 0.3428, 0.3580 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 209) }
```

Border

The CSS property to change the border of an element to Yxy 87.0125, 0.3428, 0.3580 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, 209) }
```

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

```
.border{ border-color:rgb(255, 238, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0125, 0.3428, 0.3580 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
238, 209) }
```

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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