

Converting Colors

$Y_{xy}(86.7553, 0.3423, 0.3565)$

Have a look what the booklet for
Yxy(86.7553, 0.3423, 0.3565)
contains.

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Color

Yxy(86.4815, 0.3423, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDD2
RGB	255, 237, 210
RGB Percent	100%, 93%, 82%
CMY	0.0001, 0.0705, 0.1764
CMYK	0.00, 0.07, 0.18, 0.00
HSL	36°, 100%, 91%
HSV	36°, 18%, 100%
XYZ	83.1534, 86.4815, 73.2906
YIQ	239.3040, 19.3950, -4.5810

Conversions

Conversions Part 2

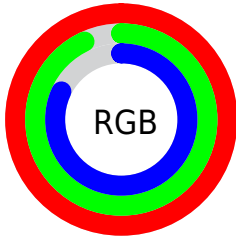
Format	Color
R _{YB}	240, 255, 210
Decimal	16772562
CIE _{Lab}	94.52, 1.84, 15.27
CIE _{LCh}	95, 15.381, 83.135
Y _{xy}	86.4815, 0.3423, 0.3560
Android (android.graphics.Color)	4294962642 (0xFFFFEDD2)
YUV	239.3040, -14.4469, 13.7654
Hunter-Lab	92.9954, -3.1332, 18.3698

Details

The Yxy color **86.4815, 0.3423, 0.3560** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76.4017, 0.2846, 0.3004**, and the grayscale version is **86.6706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4201, 0.3493, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **79.5792, 0.3617, 0.3721**, and if you desaturate by 10%, it is **93.9294, 0.3248, 0.3404**.

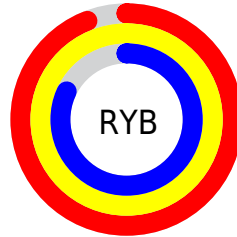
Distribution



Red (100%)

Green (93%)

Blue (82%)



Red (94%)

Yellow (100%)

Blue (82%)

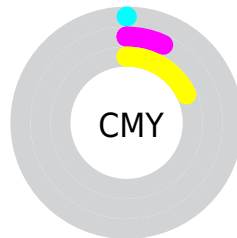


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4815, 0.3423, 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 86.4815, 0.3423, 0.3560 by changing the saturation by 10% instead.


 86.4815, 0.3423,
0.3560

 86.4815, 0.3423,
0.3560

516.5176, 0.3290,
0.3440

 65.0662, 0.3452,
0.3586


142.4412, 0.3378,
0.3519

 47.5148, 0.3488,
0.3619


177.7544, 0.3360,
0.3503

 33.4428, 0.3533,
0.3659


218.4691, 0.3344,
0.3489

 22.4659, 0.3590,
0.3710

264.9695, 0.3331,
0.3477

 14.1996, 0.3666,
0.3776

317.6402, 0.3319,
0.3466

 8.2596, 0.3770,
0.3868

376.8655, 0.3308,

 4.2615, 0.3923,

0.3456

0.4000

443.0299, 0.3299,
0.3447

■ 1.8209, 0.4189,
0.4227

■ 0.5002, 0.5099,
0.4901

■ 86.4815, 0.3423,
0.3560

■ 86.4815, 0.3423,
0.3560

■ 79.5792, 0.3617,
0.3721

■ 93.9294, 0.3248,
0.3404

■ 73.1957, 0.3830,
0.3882

99.9968, 0.3127,
0.3290

■ 67.3191, 0.4057,
0.4036

■ 61.9322, 0.4293,
0.4172

■ 57.0164, 0.4528,
0.4278

■ 52.5513, 0.4749,
0.4343

■ 48.5138, 0.4944,
0.4356

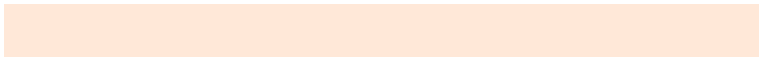
■ 44.8751, 0.5104,
0.4316

■ 44.0648, 0.5139,
0.4302

Harmonies

Analogous

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



86.4815, 0.3474, 0.3451



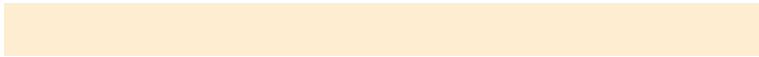
86.4815, 0.3423, 0.3560



86.4815, 0.3292, 0.3599

Triad

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



86.4815, 0.3423, 0.3560



86.4815, 0.2834, 0.3264



86.4815, 0.3127, 0.3048

Complementary

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



86.4815, 0.3423, 0.3560



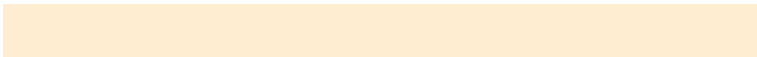
76.4017, 0.2846, 0.3004

Split Complementary

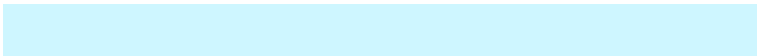
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4815, 0.2958, 0.2997



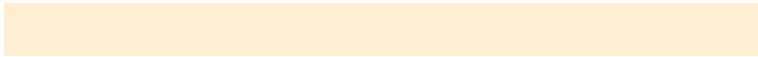
86.4815, 0.3423, 0.3560



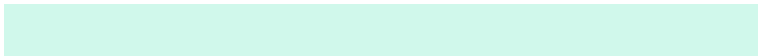
86.4815, 0.2792, 0.3115

Square

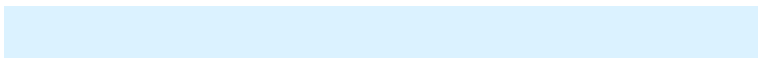
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4815, 0.3423, 0.3560



86.4815, 0.2952, 0.3425



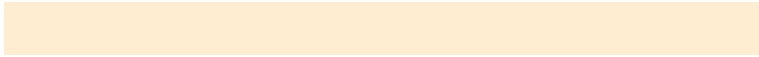
86.4815, 0.2837, 0.3020



86.4815, 0.3301, 0.3159

Rectangle

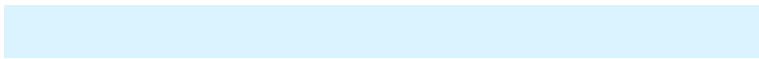
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4815, 0.3423, 0.3560



86.4815, 0.3179, 0.3576



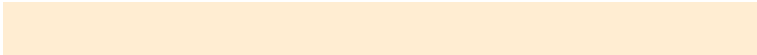
86.4815, 0.2837, 0.3020



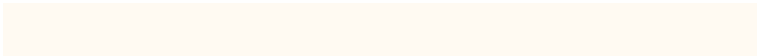
86.4815, 0.3068, 0.3023

Sweetspot

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



86.4854, 0.3423, 0.3560



95.9977, 0.3205, 0.3364



72.9584, 0.3337, 0.3110



20.4294, 0.3216, 0.3375



0.0000, 0.0000, 0.0000



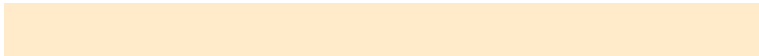
21.4041, 0.3127, 0.3290

Same Dimension

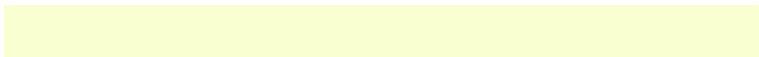
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4854, 0.3423, 0.3560



84.1155, 0.3486, 0.3614



96.5770, 0.3364, 0.3735



19.8012, 0.3279, 0.3433



23.3284, 0.5119, 0.4318



2.4853, 0.4984, 0.4424

Inverse Universe

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



76.4017, 0.2846, 0.3004



72.3960, 0.2789, 0.2943



67.6921, 0.2866, 0.2812



18.5691, 0.2979, 0.3143



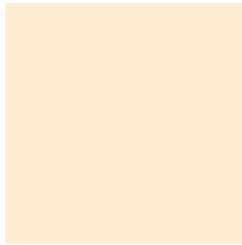
9.0015, 0.1683, 0.1257



1.0832, 0.1745, 0.1481

Previews

White Background



This preview shows how the Yxy color 86.4815, 0.3423, 0.3560 looks on a white background.

Color Contrast Check

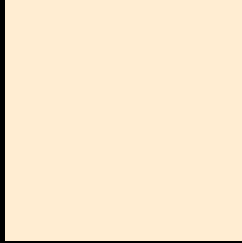
Large Text (above 18pt) WCAG AA × Fail

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 86.4815, 0.3423, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

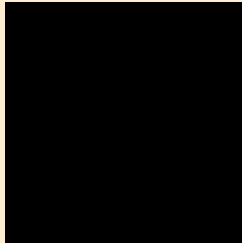
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.4815, 0.3423, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 86.4815, 0.3423, 0.3560.

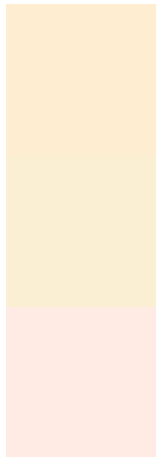


This preview shows how white text looks on a background with the Yxy color 86.4815, 0.3423, 0.3560.

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

86.4815, 0.3423, 0.3560

Protanopia

86.7601, 0.3378, 0.3572

Deuteranopia

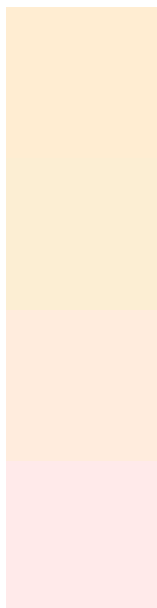
86.2227, 0.3315, 0.3370



Tritanopia

86.2532, 0.3187, 0.3154

Trichromacy



Original Color

86.4815, 0.3423, 0.3560

Protanomaly

86.5477, 0.3394, 0.3561

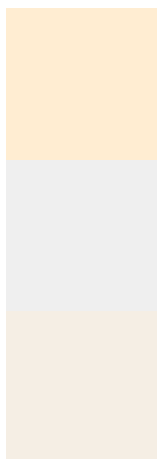
Deuteranomaly

86.4714, 0.3353, 0.3439

Tritanomaly

86.0462, 0.3270, 0.3290

Monochromacy



Original Color

86.4815, 0.3423, 0.3560

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.1630, 0.3236, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4815, 0.3423, 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, 237, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 210) }
```

Border

The CSS property to change the border of an element to Yxy 86.4815, 0.3423, 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, 237, 210) }
```

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

```
.border{ border-color:rgb(255, 237, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4815, 0.3423, 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, 237, 210) }
```

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

```
.background{ background-color: rgb(255,  
237, 210) }
```

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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