

Converting Colors

$Y_{xy}(86.5355, 0.3396, 0.3515)$

Have a look what the booklet for
Yxy(86.5355, 0.3396, 0.3515)
contains.

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Color

Yxy(86.6834, 0.3397, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDD6
RGB	255, 237, 214
RGB Percent	100%, 93%, 84%
CMY	0.0001, 0.0705, 0.1609
CMYK	0.00, 0.07, 0.16, 0.00
HSL	34°, 100%, 92%
HSV	34°, 16%, 100%
XYZ	83.6544, 86.6834, 75.9219
YIQ	239.7600, 18.1110, -3.3370

Conversions

Conversions Part 2

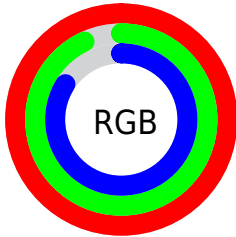
Format	Color
R _Y B	246, 255, 214
Decimal	16772566
CIE Lab	94.60, 2.43, 13.35
CIE LCh	95, 13.565, 79.695
Yxy	86.6834, 0.3397, 0.3520
Android (android.graphics.Color)	4294962646 (0xFFFFE6D6)
YUV	239.7600, -12.6997, 13.3655
Hunter-Lab	93.1039, -2.5486, 16.8245

Details

The Yxy color **86.6834, 0.3397, 0.3520** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.1927, 0.2872, 0.3049**, and the grayscale version is **87.0303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5567, 0.3459, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **79.2147, 0.3592, 0.3671**, and if you desaturate by 10%, it is **94.7669, 0.3223, 0.3375**.

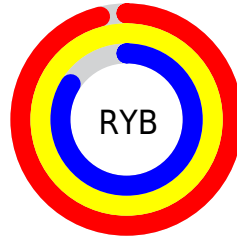
Distribution



Red (100%)

Green (93%)

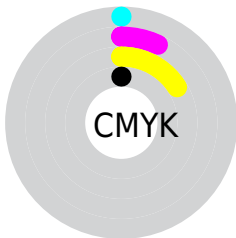
Blue (84%)



Red (96%)

Yellow (100%)

Blue (84%)

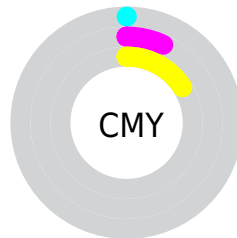


Cyan (0%)

Magenta (7%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6834, 0.3397, 0.3520 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 86.6834, 0.3397, 0.3520 by changing the saturation by 10% instead.


 86.6834, 0.3397,
0.3520

 86.6834, 0.3397,
0.3520


517.1820, 0.3276,
0.3418

 65.2332, 0.3424,
0.3543

142.7228, 0.3356,
0.3485

 47.6502, 0.3457,
0.3570


178.0808, 0.3339,
0.3471

 33.5500, 0.3498,
0.3604


218.8435, 0.3325,
0.3459

 22.5481, 0.3550,
0.3647

265.3954, 0.3313,
0.3449

 14.2602, 0.3619,
0.3704

318.1207, 0.3302,
0.3440

 8.3019, 0.3716,
0.3782

377.4040, 0.3292,

 4.2887, 0.3858,

0.3432

0.3894

443.6296, 0.3284,
0.3424

■ 1.8363, 0.4090,
0.4074

■ 0.5097, 0.5161,
0.4839

■ 86.6834, 0.3397,
0.3520

■ 86.6834, 0.3397,
0.3520

■ 79.2147, 0.3592,
0.3671

■ 94.7669, 0.3223,
0.3375

■ 72.3325, 0.3809,
0.3823

99.9970, 0.3127,
0.3290

■ 66.0230, 0.4044,
0.3969

■ 60.2673, 0.4292,
0.4100

■ 55.0451, 0.4544,
0.4204

■ 50.3342, 0.4786,
0.4268

■ 46.1099, 0.5005,
0.4281

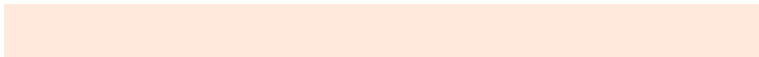
■ 42.3428, 0.5188,
0.4239

■ 40.9784, 0.5252,
0.4212

Harmonies

Analogous

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



86.6834, 0.3432, 0.3419



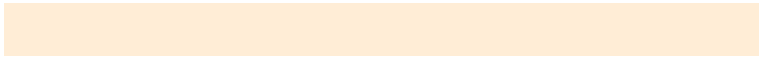
86.6834, 0.3397, 0.3520



86.6834, 0.3289, 0.3562

Triad

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



86.6834, 0.3397, 0.3520



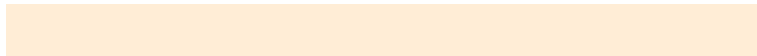
86.6834, 0.2877, 0.3284



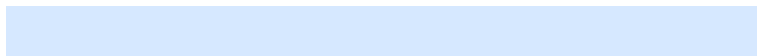
86.6834, 0.3110, 0.3068

Complementary

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



86.6834, 0.3397, 0.3520



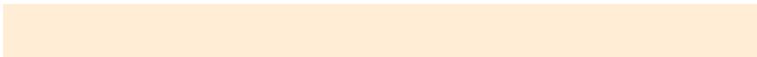
79.1927, 0.2872, 0.3049

Split Complementary

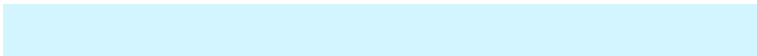
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6834, 0.2963, 0.3030



86.6834, 0.3397, 0.3520



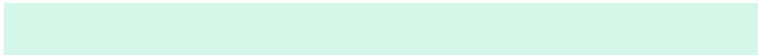
86.6834, 0.2832, 0.3150

Square

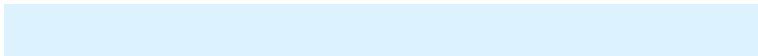
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6834, 0.3397, 0.3520



86.6834, 0.2989, 0.3424



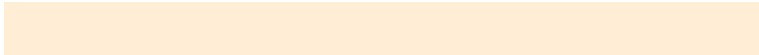
86.6834, 0.2863, 0.3058



86.6834, 0.3264, 0.3161

Rectangle

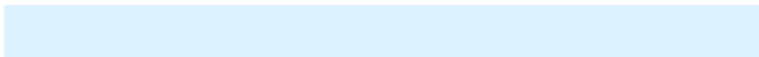
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.6834, 0.3397, 0.3520



86.6834, 0.3191, 0.3547



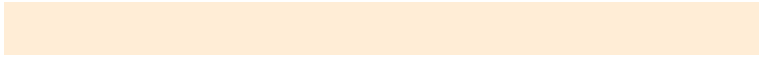
86.6834, 0.2863, 0.3058



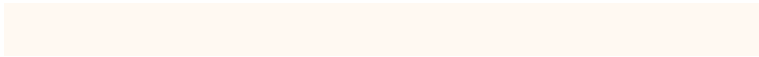
86.6834, 0.3058, 0.3048

Sweetspot

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



86.6873, 0.3397, 0.3520



95.6929, 0.3205, 0.3359



75.1873, 0.3301, 0.3106



20.3553, 0.3217, 0.3369



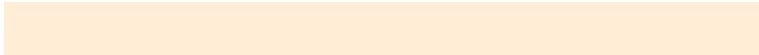
0.0000, 0.0000, 0.0000



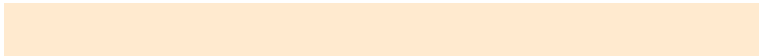
21.4041, 0.3127, 0.3290

Same Dimension

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



86.6873, 0.3397, 0.3520



84.4578, 0.3452, 0.3564



97.2340, 0.3356, 0.3693



19.6803, 0.3280, 0.3424



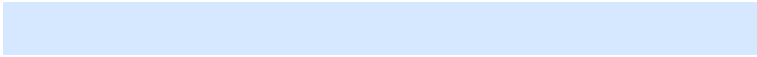
21.7177, 0.5230, 0.4230



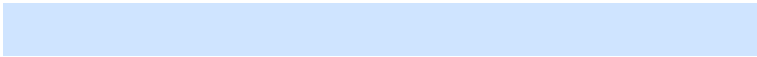
2.3323, 0.5079, 0.4349

Inverse Universe

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



79.1927, 0.2872, 0.3049



75.7865, 0.2824, 0.3000



69.9013, 0.2878, 0.2857



18.6874, 0.2979, 0.3153



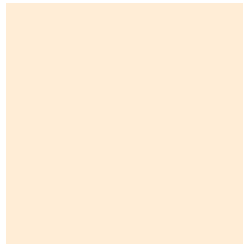
10.0827, 0.1715, 0.1374



1.1947, 0.1776, 0.1593

Previews

White Background



This preview shows how the Yxy color 86.6834, 0.3397, 0.3520 looks on a white background.

Color Contrast Check

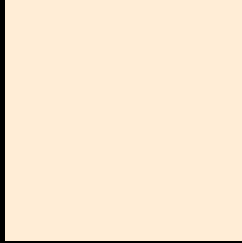
Large Text (above 18pt) WCAG AA × Fail

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 86.6834, 0.3397, 0.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

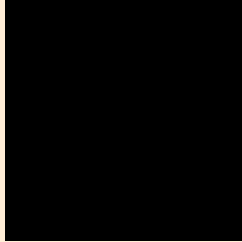
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.6834, 0.3397, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 86.6834, 0.3397, 0.3520.

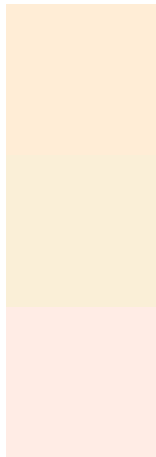


This preview shows how white text looks on a background with the Yxy color 86.6834, 0.3397, 0.3520.

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

86.6834, 0.3397, 0.3520

Protanopia

86.9633, 0.3353, 0.3532

Deuteranopia

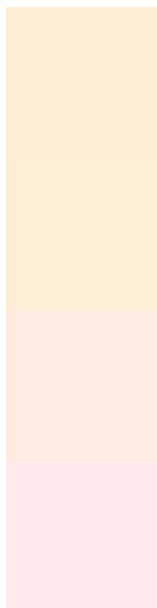
86.9080, 0.3300, 0.3360



Tritanopia

86.8210, 0.3187, 0.3164

Trichromacy



Original Color

86.6834, 0.3397, 0.3520

Protanomaly

86.7508, 0.3368, 0.3521

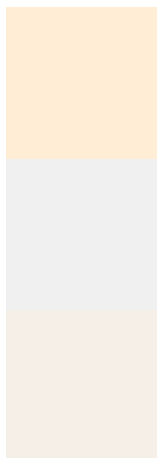
Deuteranomaly

86.6327, 0.3333, 0.3409

Tritanomaly

86.6748, 0.3263, 0.3290

Monochromacy



Original Color

86.6834, 0.3397, 0.3520

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.9150, 0.3217, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6834, 0.3397, 0.3520 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 214) }
```

Border

The CSS property to change the border of an element to Yxy 86.6834, 0.3397, 0.3520 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, 214) }
```

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

```
.border{ border-color:rgb(255, 237, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6834, 0.3397, 0.3520 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
237, 214) }
```

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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