

Converting Colors

$Yxy(86.9631, 0.3435, 0.3590)$

Have a look what the booklet for
Yxy(86.9631, 0.3435, 0.3590)
contains.

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Color

Yxy(86.9631, 0.3435, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	FFFEED0
RGB	255, 238, 208
RGB Percent	100%, 93%, 82%
CMY	0.0000, 0.0667, 0.1844
CMYK	0.00, 0.07, 0.18, 0.00
HSL	38°, 100%, 91%
HSV	38°, 18%, 100%
XYZ	83.2084, 86.9631, 72.0655
YIQ	239.6630, 19.7620, -5.7260

Conversions

Conversions Part 2

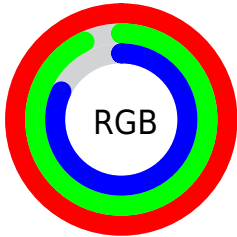
Format	Color
R _Y B	235, 255, 208
Decimal	16772816
CIE Lab	94.72, 1.06, 16.61
CIE LCh	95, 16.640, 86.343
Yxy	86.9631, 0.3435, 0.3590
Android (android.graphics.Color)	4294962896 (0xFFFFEED0)
YUV	239.6630, -15.6099, 13.4505
Hunter-Lab	93.2540, -3.9230, 19.4592

Details

The Yxy color **86.9631, 0.3435, 0.3590** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.4746, 0.2831, 0.2971**, and the grayscale version is **86.9688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7948, 0.3499, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **80.5700, 0.3626, 0.3761**, and if you desaturate by 10%, it is **93.8266, 0.3260, 0.3424**.

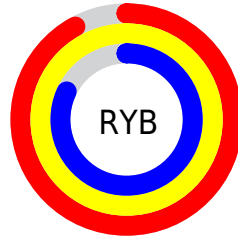
Distribution



Red (100%)

Green (93%)

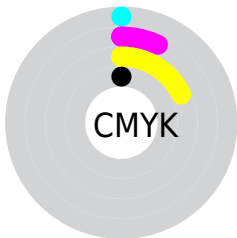
Blue (82%)



Red (92%)

Yellow (100%)

Blue (82%)

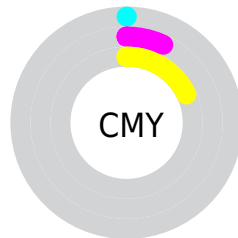


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9631, 0.3435, 0.3590 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 86.9631, 0.3435, 0.3590 by changing the saturation by 10% instead.


 86.9631, 0.3435,
0.3590

 86.9631, 0.3435,
0.3590

518.1016, 0.3297,
0.3456

 65.4647, 0.3465,
0.3619


143.1127, 0.3388,
0.3544

 47.8380, 0.3503,
0.3655

178.5327, 0.3369,
0.3526

 33.6986, 0.3549,
0.3700


219.3619, 0.3353,
0.3511

 22.6621, 0.3608,
0.3756

265.9849, 0.3339,
0.3497

 14.3442, 0.3685,
0.3830

318.7860, 0.3327,
0.3485

 8.3605, 0.3792,
0.3932

378.1495, 0.3316,

 4.3265, 0.3946,

0.3474

0.4078

444.4599, 0.3306,
0.3465

■ 1.8578, 0.4226,
0.4341

■ 0.5228, 0.5000,
0.5000

■ 86.9631, 0.3435,
0.3590

■ 86.9631, 0.3435,
0.3590

■ 80.5700, 0.3626,
0.3761

■ 93.8266, 0.3260,
0.3424

■ 74.6435, 0.3833,
0.3931

100.0000, 0.3127,
0.3290

■ 69.1656, 0.4052,
0.4091

■ 64.1208, 0.4275,
0.4233

■ 59.4919, 0.4493,
0.4344

■ 55.2601, 0.4695,
0.4413

■ 51.4036, 0.4869,
0.4430

■ 47.8937, 0.5009,
0.4396

■ 47.3708, 0.5030,
0.4388

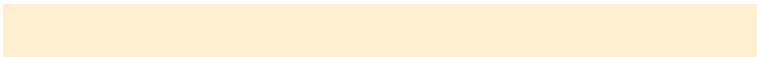
Harmonies

Analogous

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



86.9631, 0.3501, 0.3478



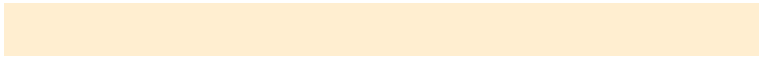
86.9631, 0.3435, 0.3590



86.9631, 0.3286, 0.3623

Triad

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



86.9631, 0.3435, 0.3590



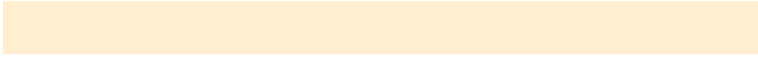
86.9631, 0.2802, 0.3242



86.9631, 0.3148, 0.3039

Complementary

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



86.9631, 0.3435, 0.3590



74.4746, 0.2831, 0.2971

Split Complementary

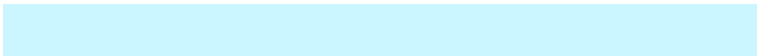
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9631, 0.2962, 0.2976



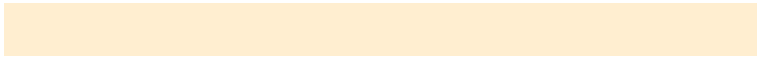
86.9631, 0.3435, 0.3590



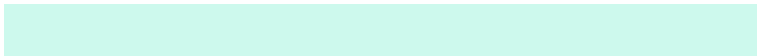
86.9631, 0.2767, 0.3087

Square

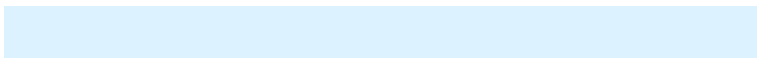
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9631, 0.3435, 0.3590



86.9631, 0.2922, 0.3418



86.9631, 0.2825, 0.2992



86.9631, 0.3333, 0.3164

Rectangle

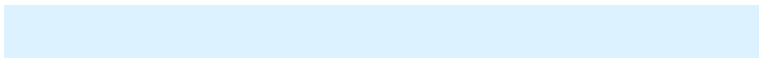
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9631, 0.3435, 0.3590



86.9631, 0.3162, 0.3592



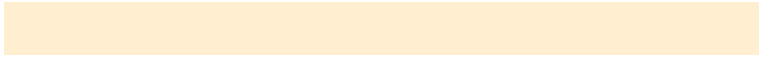
86.9631, 0.2825, 0.2992



86.9631, 0.3083, 0.3011

Sweetspot

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



86.9598, 0.3435, 0.3590



95.5732, 0.3221, 0.3385



71.8144, 0.3360, 0.3117



20.3557, 0.3231, 0.3395



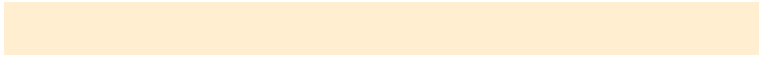
0.0000, 0.0000, 0.0000



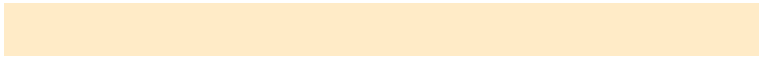
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9598, 0.3435, 0.3590



84.6285, 0.3501, 0.3651



96.1639, 0.3364, 0.3757



19.9208, 0.3278, 0.3441



25.0459, 0.5012, 0.4402



2.6462, 0.4894, 0.4496

Inverse Universe

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



74.4746, 0.2831, 0.2971



70.1116, 0.2771, 0.2901



66.6606, 0.2863, 0.2790



18.4532, 0.2979, 0.3134



8.0506, 0.1653, 0.1150



0.9825, 0.1715, 0.1375

Previews

White Background



This preview shows how the Yxy color 86.9631, 0.3435, 0.3590 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 86.9631, 0.3435, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

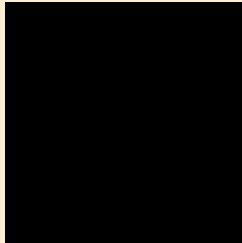
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.9631, 0.3435, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 86.9631, 0.3435, 0.3590.

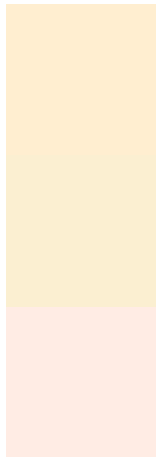


This preview shows how white text looks on a background with the Yxy color 86.9631, 0.3435, 0.3590.

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

86.9631, 0.3435, 0.3590

Protanopia

86.8457, 0.3398, 0.3592

Deuteranopia

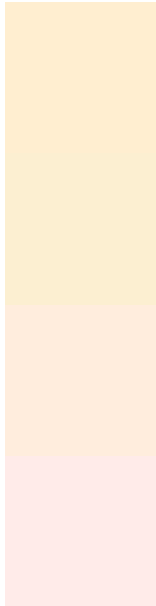
86.8523, 0.3307, 0.3369



Tritanopia

86.8210, 0.3187, 0.3164

Trichromacy



Original Color

86.9631, 0.3435, 0.3590

Protanomaly

87.0319, 0.3405, 0.3592

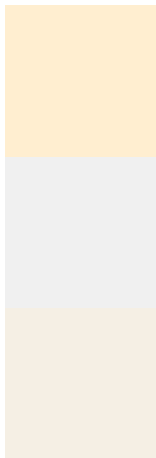
Deuteranomaly

87.0488, 0.3351, 0.3449

Tritanomaly

86.5599, 0.3276, 0.3310

Monochromacy



Original Color

86.9631, 0.3435, 0.3590

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.7469, 0.3235, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9631, 0.3435, 0.3590 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 208) }
```

Border

The CSS property to change the border of an element to Yxy 86.9631, 0.3435, 0.3590 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, 208) }
```

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

```
.border{ border-color:rgb(255, 238, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9631, 0.3435, 0.3590 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
238, 208) }
```

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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