

Converting Colors

$Y_{xy}(97.4130, 0.3850, 0.3634)$

Have a look what the booklet for
Yxy(97.4130, 0.3850, 0.3634)
contains.

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Color

Yxy(86.5326, 0.3494, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEC7
RGB	255, 238, 199
RGB Percent	100%, 93%, 78%
CMY	0.0000, 0.0667, 0.2196
CMYK	0.00, 0.07, 0.22, 0.00
HSL	42°, 100%, 89%
HSV	42°, 22%, 100%
XYZ	82.1366, 86.5326, 66.4098
YIQ	238.6370, 22.6510, -8.5250

Conversions

Conversions Part 2

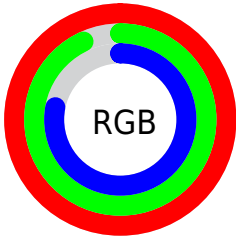
Format	Color
R _Y B	223, 255, 199
Decimal	16772807
CIE Lab	94.54, -0.21, 20.97
CIE LCh	95, 20.976, 90.581
Yxy	86.5326, 0.3494, 0.3681
Android (android.graphics.Color)	4294962887 (0xFFFFEEC7)
YUV	238.6370, -19.5410, 14.3504
Hunter-Lab	93.0229, -5.1796, 22.7884

Details

The Yxy color **86.5326, 0.3494, 0.3681** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.4837, 0.2769, 0.2866**, and the grayscale version is **86.1565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5060, 0.3576, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **81.0265, 0.3683, 0.3866**, and if you desaturate by 10%, it is **92.4211, 0.3318, 0.3499**.

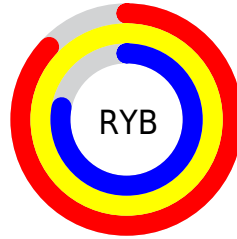
Distribution



Red (100%)

Green (93%)

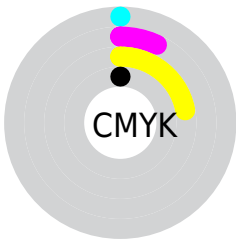
Blue (78%)



Red (87%)

Yellow (100%)

Blue (78%)

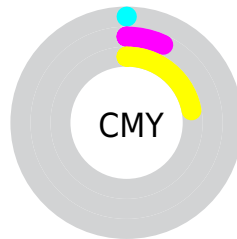


Cyan (0%)

Magenta (7%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5326, 0.3494, 0.3681 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 86.5326, 0.3494, 0.3681 by changing the saturation by 10% instead.

 86.5326, 0.3494,
0.3681

 86.5326, 0.3494,
0.3681


516.6858, 0.3330,
0.3506

 65.1085, 0.3530,
0.3719


142.5125, 0.3438,
0.3621

 47.5490, 0.3574,
0.3766


177.8370, 0.3416,
0.3598

 33.4699, 0.3628,
0.3824


218.5639, 0.3397,
0.3578

 22.4867, 0.3697,
0.3898

265.0773, 0.3380,
0.3560

 14.2149, 0.3787,
0.3994

317.7619, 0.3366,
0.3544

 8.2703, 0.3909,
0.4125

377.0019, 0.3352,

 4.2684, 0.4081,

0.3530

0.4310

443.1817, 0.3341,
0.3517

■ 1.8248, 0.4498,
0.4756

■ 0.5026, 0.4846,
0.5154

■ 86.5326, 0.3494,
0.3681

■ 86.5326, 0.3494,
0.3681

■ 81.0265, 0.3683,
0.3866

■ 92.4211, 0.3318,
0.3499

■ 75.9058, 0.3883,
0.4047

■ 98.7188, 0.3157,
0.3323

■ 71.1522, 0.4088,
0.4214

■ 100.0000, 0.3127,
0.3290

■ 66.7513, 0.4289,
0.4357

■ 62.6875, 0.4478,
0.4465

■ 58.9428, 0.4645,
0.4527

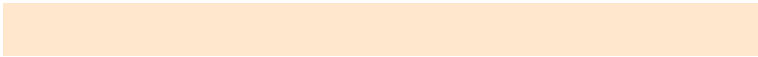
■ 55.4961, 0.4781,
0.4539

■ 52.9165, 0.4870,
0.4515

Harmonies

Analogous

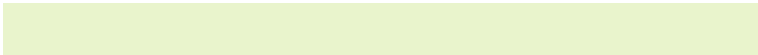
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5326, 0.3596, 0.3548



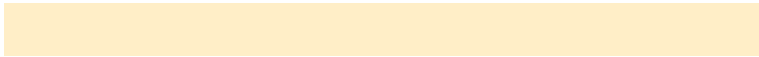
86.5326, 0.3494, 0.3681



86.5326, 0.3294, 0.3710

Triad

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



86.5326, 0.3494, 0.3681



86.5326, 0.2706, 0.3196



86.5326, 0.3187, 0.2995

Complementary

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



86.5326, 0.3494, 0.3681



68.4837, 0.2769, 0.2866

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.



86.5326, 0.2949, 0.2903



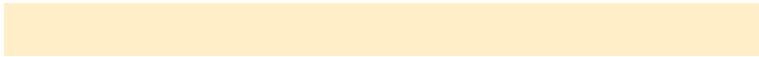
86.5326, 0.3494, 0.3681



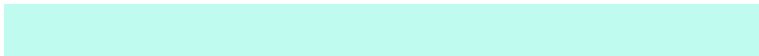
86.5326, 0.2679, 0.3009

Square

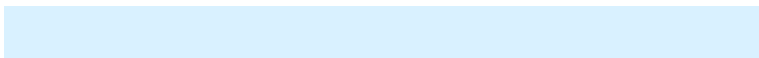
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.5326, 0.3494, 0.3681



86.5326, 0.2841, 0.3421



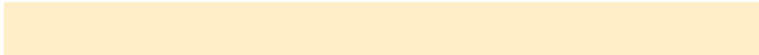
86.5326, 0.2766, 0.2906



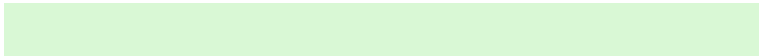
86.5326, 0.3415, 0.3158

Rectangle

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



86.5326, 0.3494, 0.3681



86.5326, 0.3135, 0.3659



86.5326, 0.2766, 0.2906



86.5326, 0.3105, 0.2955

Sweetspot

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



86.5275, 0.3494, 0.3681



95.4921, 0.3236, 0.3411



67.1066, 0.3437, 0.3110



20.3581, 0.3246, 0.3421



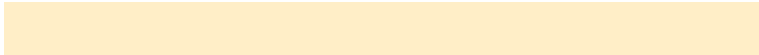
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

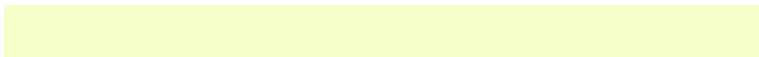
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5275, 0.3494, 0.3681



84.2573, 0.3569, 0.3756



95.0087, 0.3391, 0.3853



20.1045, 0.3277, 0.3455



27.9255, 0.4856, 0.4526



2.9117, 0.4762, 0.4601

Inverse Universe

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



68.4837, 0.2769, 0.2866



63.5233, 0.2697, 0.2776



61.6657, 0.2824, 0.2686



18.2774, 0.2979, 0.3120



6.8086, 0.1612, 0.1002



0.8456, 0.1673, 0.1222

Previews

White Background



This preview shows how the Yxy color 86.5326, 0.3494, 0.3681 looks on a white background.

Color Contrast Check

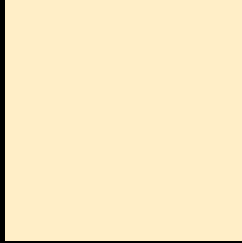
Large Text (above 18pt) WCAG AA × Fail

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 86.5326, 0.3494, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

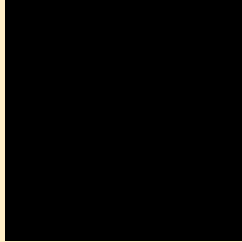
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5326, 0.3494, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 86.5326, 0.3494, 0.3681.

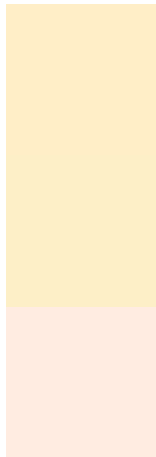


This preview shows how white text looks on a background with the Yxy color 86.5326, 0.3494, 0.3681.

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

86.5326, 0.3494, 0.3681

Protanopia

86.7392, 0.3477, 0.3693

Deuteranopia

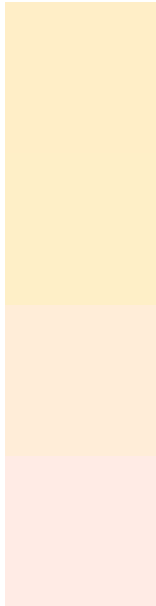
86.6871, 0.3326, 0.3399



Tritanopia

86.7595, 0.3193, 0.3173

Trichromacy



Original Color

86.5326, 0.3494, 0.3681

Protanomaly

86.9274, 0.3485, 0.3692

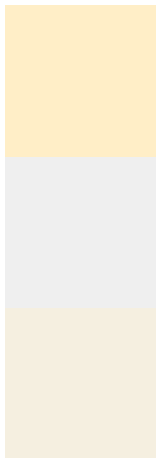
Deuteranomaly

86.7862, 0.3384, 0.3499

Tritanomaly

86.3338, 0.3302, 0.3350

Monochromacy



Original Color

86.5326, 0.3494, 0.3681

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5273, 0.3261, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5326, 0.3494, 0.3681 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 199) }
```

Border

The CSS property to change the border of an element to Yxy 86.5326, 0.3494, 0.3681 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, 199) }
```

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

```
.border{ border-color:rgb(255, 238, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5326, 0.3494, 0.3681 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, 199) }
```

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

```
.background{ background-color: rgb(255,  
238, 199) }
```

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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