

Converting Colors

$Yxy(93.7122, 0.3304, 0.3811)$

Have a look what the booklet for
Yxy(93.7122, 0.3304, 0.3811)
contains.

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Color

Yxy(93.7125, 0.3304, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFCC
RGB	236, 255, 204
RGB Percent	93%, 100%, 80%
CMY	0.0746, 0.0000, 0.1999
CMYK	0.07, 0.00, 0.20, 0.00
HSL	82°, 100%, 90%
HSV	82°, 20%, 100%
XYZ	81.2454, 93.7125, 70.9422
YIQ	243.5050, 5.0470, -19.8890

Conversions

Conversions Part 2

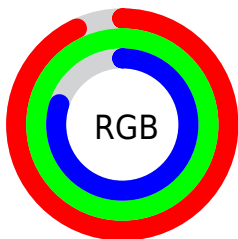
Format	Color
RYB	204, 255, 223
Decimal	15531980
CIELab	97.52, -14.77, 22.33
CIELCh	98, 26.775, 123.481
Yxy	93.7125, 0.3304, 0.3811
Android (android.graphics.Color)	4293722060 (0xFFECCFFCC)
YUV	243.5050, -19.4760, -6.5819
Hunter-Lab	96.8052, -19.6001, 24.3139

Details

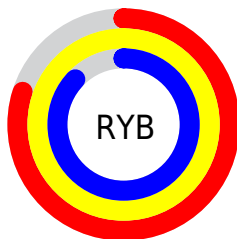
The Yxy color **93.7125, 0.3304, 0.3811** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.1088, 0.2922, 0.2756**, and the grayscale version is **90.1999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2935, 0.3337, 0.3920** is the 20% darker color. If you saturate the color by 10%, you get **90.9975, 0.3389, 0.4093**, and if you desaturate by 10%, it is **96.7066, 0.3216, 0.3542**.

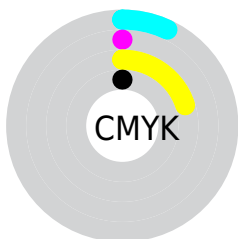
Distribution



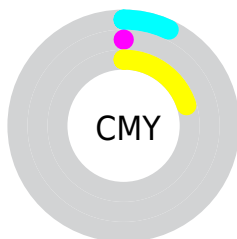
- Red (93%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.7125, 0.3304, 0.3811 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 93.7125, 0.3304, 0.3811 by changing the saturation by 10% instead.

 93.7125, 0.3304,
0.3811

 93.7125, 0.3304,
0.3811


540.0349, 0.3229,
0.3575

 71.0639, 0.3319,
0.3864


152.4847, 0.3279,
0.3730

 52.3943, 0.3338,
0.3928


189.3770, 0.3269,
0.3698

 37.3195, 0.3360,
0.4008


231.7860, 0.3261,
0.3671

 25.4549, 0.3386,
0.4111

280.0960, 0.3253,
0.3647

 16.4163, 0.3419,
0.4248

334.6916, 0.3246,
0.3626

 9.8192, 0.3458,
0.4438

395.9570, 0.3240,

 5.2793, 0.3505,

0.3607

0.4716

464.2766, 0.3234,
0.3590

■ 2.4120, 0.3590,
0.5220

■ 0.8321, 0.3409,
0.6591

■ 93.7125, 0.3304,
0.3811

■ 93.7125, 0.3304,
0.3811

■ 90.9975, 0.3389,
0.4093

■ 96.7066, 0.3216,
0.3542

■ 88.5625, 0.3467,
0.4380

100.0000, 0.3127,
0.3290

■ 86.3918, 0.3533,
0.4661

■ 84.4722, 0.3581,
0.4924

■ 82.7894, 0.3607,
0.5156

■ 81.3272, 0.3609,
0.5344

■ 80.0663, 0.3585,
0.5481

■ 78.9765, 0.3542,
0.5570

■ 78.9758, 0.3542,
0.5570

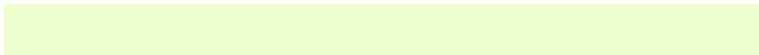
Harmonies

Analogous

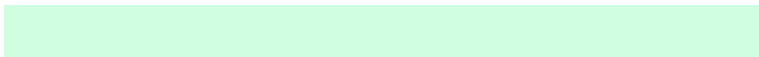
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7125, 0.3562, 0.3785



93.7125, 0.3304, 0.3811



93.7125, 0.3007, 0.3678

Triad

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



93.7125, 0.3304, 0.3811



93.7125, 0.2579, 0.2922



93.7125, 0.3509, 0.3148

Complementary

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



93.7125, 0.3304, 0.3811



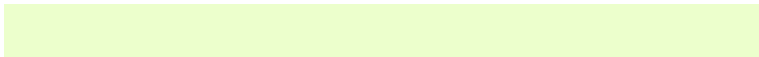
66.1088, 0.2922, 0.2756

Split Complementary

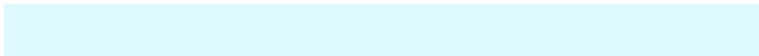
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.7125, 0.3229, 0.2943



93.7125, 0.3304, 0.3811



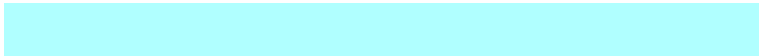
93.7125, 0.2698, 0.2810

Square

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



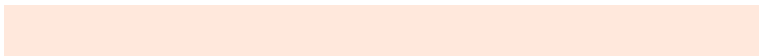
93.7125, 0.3304, 0.3811



93.7125, 0.2598, 0.3144



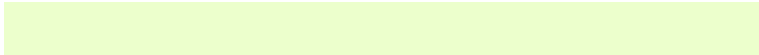
93.7125, 0.2931, 0.2821



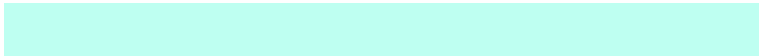
93.7125, 0.3687, 0.3393

Rectangle

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



93.7125, 0.3304, 0.3811



93.7125, 0.2827, 0.3518



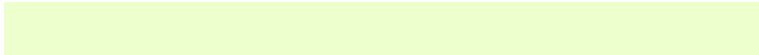
93.7125, 0.2931, 0.2821



93.7125, 0.3423, 0.3073

Sweetspot

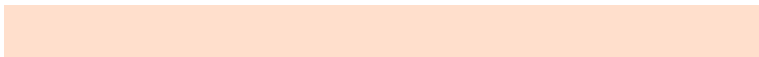
The Sweet Spot groups the original color and five complimentary colors.



93.7085, 0.3304, 0.3811



97.9865, 0.3180, 0.3439



78.2413, 0.3490, 0.3481



20.9276, 0.3186, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

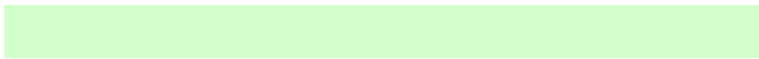
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.7085, 0.3304, 0.3811



92.5884, 0.3339, 0.3923



89.7019, 0.3143, 0.3837



20.7322, 0.3211, 0.3529



41.3546, 0.3552, 0.5562



4.0889, 0.3625, 0.5504

Inverse Universe

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



66.1088, 0.2922, 0.2756



60.4114, 0.2873, 0.2638



70.4071, 0.3101, 0.2784



17.7079, 0.3037, 0.3048



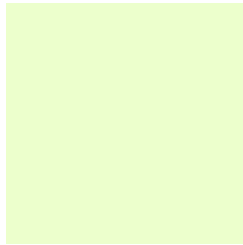
5.1266, 0.1800, 0.0765



0.5590, 0.1925, 0.0834

Previews

White Background



This preview shows how the Yxy color 93.7125, 0.3304, 0.3811 looks on a white background.

Color Contrast Check

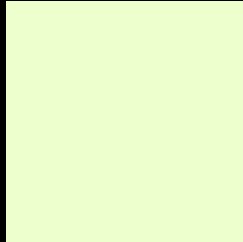
Large Text (above 18pt) WCAG AA × Fail

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 93.7125, 0.3304, 0.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

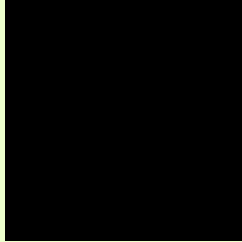
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

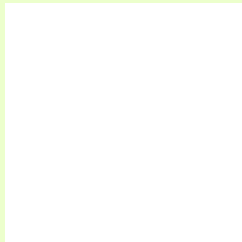
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.7125, 0.3304, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 93.7125, 0.3304, 0.3811.

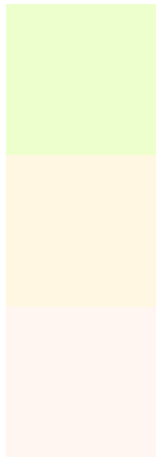


This preview shows how white text looks on a background with the Yxy color 93.7125, 0.3304, 0.3811.

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

93.7125, 0.3304, 0.3811

Protanopia

93.2725, 0.3307, 0.3496

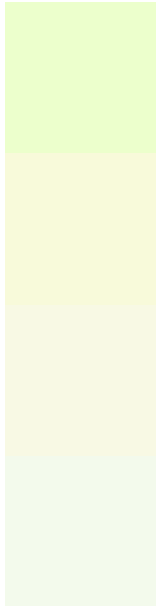
Deuteranopia

93.5224, 0.3216, 0.3339

Tritanopia

93.5157, 0.3080, 0.3212

Trichromacy



Original Color

93.7125, 0.3304, 0.3811

Protanomaly

93.3896, 0.3306, 0.3609

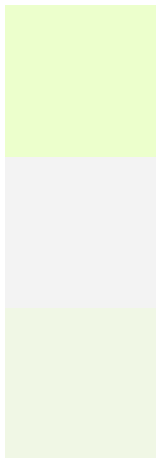
Deuteranomaly

93.3093, 0.3246, 0.3498

Tritanomaly

93.4820, 0.3165, 0.3429

Monochromacy



Original Color

93.7125, 0.3304, 0.3811

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.7039, 0.3190, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.7125, 0.3304, 0.3811 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(236, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 204)  
}
```

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(236, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 93.7125, 0.3304, 0.3811 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(236, 255, 204) }
```

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

```
.border{ border-color:rgb(236, 255, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 93.7125, 0.3304, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 204) }
```

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

```
.background{ background-color: rgb(236,  
255, 204) }
```

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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