

Converting Colors

$Yxy(93.9124, 0.3298, 0.3791)$

Have a look what the booklet for
Yxy(93.9124, 0.3298, 0.3791)
contains.

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Color

Yxy(93.9808, 0.3299, 0.3789)

Conversions

Conversions Part 1

Format	Color
Hex	EDFFCE
RGB	237, 255, 206
RGB Percent	93%, 100%, 81%
CMY	0.0706, 0.0000, 0.1921
CMYK	0.07, 0.00, 0.19, 0.00
HSL	82°, 100%, 90%
HSV	82°, 19%, 100%
XYZ	81.8270, 93.9808, 72.2281
YIQ	244.0320, 5.0010, -19.0550

Conversions

Conversions Part 2

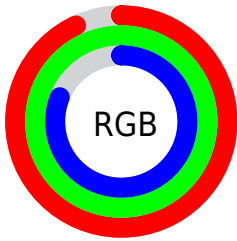
Format	Color
R _Y B	206, 255, 224
Decimal	15597518
CIE Lab	97.62, -14.11, 21.48
CIE LCh	98, 25.696, 123.299
Yxy	93.9808, 0.3299, 0.3789
Android (android.graphics.Color)	4293787598 (0xFFEDFFCE)
YUV	244.0320, -18.7498, -6.1671
Hunter-Lab	96.9437, -18.9854, 23.6865

Details

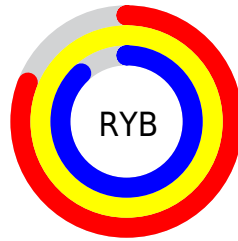
The Yxy color **93.9808, 0.3299, 0.3789** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.2193, 0.2929, 0.2778**, and the grayscale version is **90.6447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.4789, 0.3331, 0.3891** is the 20% darker color. If you saturate the color by 10%, you get **91.2702, 0.3386, 0.4070**, and if you desaturate by 10%, it is **96.9786, 0.3209, 0.3521**.

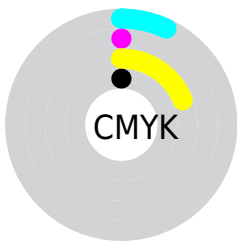
Distribution



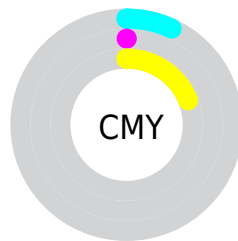
- Red (93%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (88%)



- Cyan (7%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.9808, 0.3299, 0.3789 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 93.9808, 0.3299, 0.3789 by changing the saturation by 10% instead.

 93.9808, 0.3299,
0.3789

 93.9808, 0.3299,
0.3789

540.8970, 0.3226,
0.3563

 71.2870, 0.3314,
0.3839


152.8558, 0.3275,
0.3712

 52.5764, 0.3332,
0.3901

189.8058, 0.3265,
0.3681

 37.4647, 0.3354,
0.3977


232.2766, 0.3257,
0.3655

 25.5675, 0.3380,
0.4076

280.6526, 0.3249,
0.3632

 16.5004, 0.3412,
0.4206

335.3183, 0.3243,
0.3612

 9.8789, 0.3452,
0.4387

396.6579, 0.3236,

 5.3188, 0.3500,

0.3594

0.4653

465.0560, 0.3231,
0.3578

■ 2.4355, 0.3576,
0.5116

■ 0.8441, 0.3517,
0.6483

■ 93.9808, 0.3299,
0.3789

■ 93.9808, 0.3299,
0.3789

■ 91.2702, 0.3386,
0.4070

■ 96.9786, 0.3209,
0.3521

■ 88.8330, 0.3465,
0.4356

100.0000, 0.3127,
0.3290

■ 86.6584, 0.3533,
0.4637

■ 84.7337, 0.3584,
0.4901

■ 83.0445, 0.3613,
0.5135

■ 81.5749, 0.3617,
0.5325

■ 80.3062, 0.3597,
0.5465

■ 79.2106, 0.3555,
0.5556

■ 79.1289, 0.3551,
0.5562

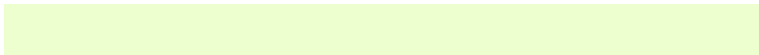
Harmonies

Analogous

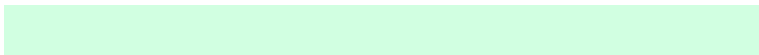
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9808, 0.3546, 0.3764



93.9808, 0.3299, 0.3789



93.9808, 0.3014, 0.3662

Triad

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



93.9808, 0.3299, 0.3789



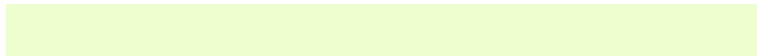
93.9808, 0.2600, 0.2939



93.9808, 0.3492, 0.3152

Complementary

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



93.9808, 0.3299, 0.3789



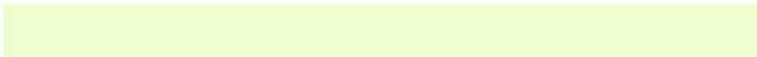
67.2193, 0.2929, 0.2778

Split Complementary

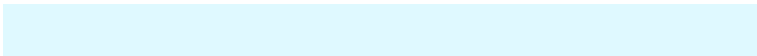
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9808, 0.3223, 0.2956



93.9808, 0.3299, 0.3789



93.9808, 0.2714, 0.2830

Square

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



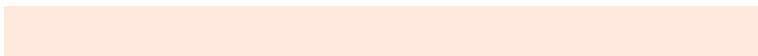
93.9808, 0.3299, 0.3789



93.9808, 0.2619, 0.3152



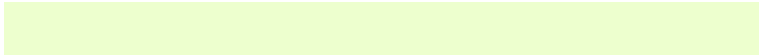
93.9808, 0.2938, 0.2839



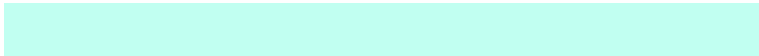
93.9808, 0.3663, 0.3388

Rectangle

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



93.9808, 0.3299, 0.3789



93.9808, 0.2841, 0.3510



93.9808, 0.2938, 0.2839



93.9808, 0.3410, 0.3080

Sweetspot

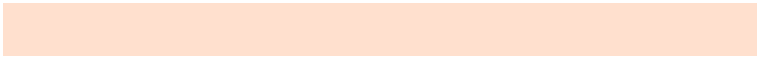
The Sweet Spot groups the original color and five complimentary colors.



93.9817, 0.3299, 0.3789



98.0028, 0.3181, 0.3439



79.0154, 0.3473, 0.3473



20.9315, 0.3186, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

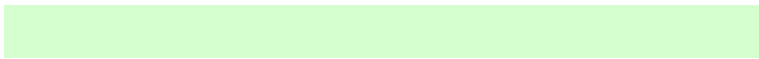
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.9817, 0.3299, 0.3789



92.9210, 0.3332, 0.3894



90.0553, 0.3143, 0.3814



20.7376, 0.3212, 0.3529



41.4342, 0.3561, 0.5554



4.0963, 0.3633, 0.5497

Inverse Universe

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



67.2193, 0.2929, 0.2778



61.7479, 0.2883, 0.2667



71.4121, 0.3102, 0.2804



17.7027, 0.3036, 0.3048



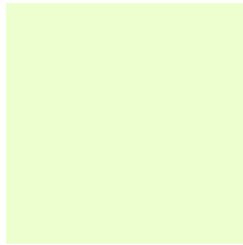
5.0848, 0.1792, 0.0761



0.5545, 0.1916, 0.0829

Previews

White Background



This preview shows how the Yxy color 93.9808, 0.3299, 0.3789 looks on a white background.

Color Contrast Check

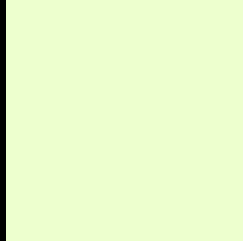
Large Text (above 18pt) WCAG AA × Fail

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 93.9808, 0.3299, 0.3789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

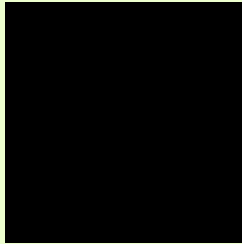
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

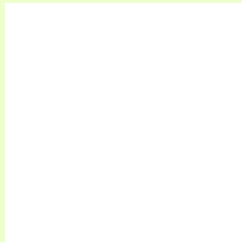
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.9808, 0.3299, 0.3789

Background



This preview shows how black text looks on a background with the Yxy color 93.9808, 0.3299, 0.3789.

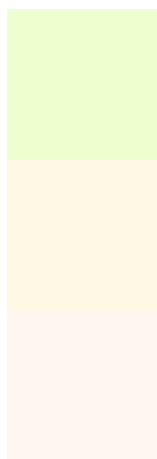


This preview shows how white text looks on a background with the Yxy color 93.9808, 0.3299, 0.3789.

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

93.9808, 0.3299, 0.3789

Protanopia

93.9962, 0.3293, 0.3486

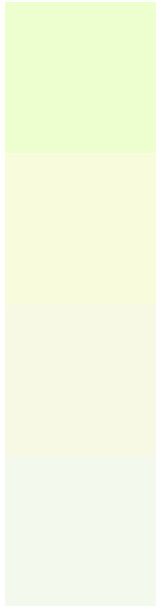
Deuteranopia

93.5823, 0.3209, 0.3329

Tritanopia

93.5157, 0.3080, 0.3212

Trichromacy



Original Color

93.9808, 0.3299, 0.3789

Protanomaly

94.1181, 0.3293, 0.3598

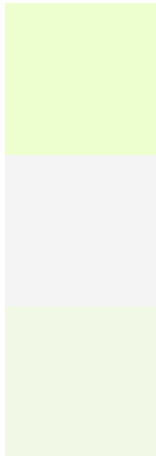
Deuteranomaly

93.3650, 0.3240, 0.3488

Tritanomaly

93.5403, 0.3159, 0.3419

Monochromacy



Original Color

93.9808, 0.3299, 0.3789

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.5487, 0.3189, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9808, 0.3299, 0.3789 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(237, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 206)  
}
```

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(237, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 93.9808, 0.3299, 0.3789 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(237, 255, 206) }
```

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

```
.border{ border-color:rgb(237, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9808, 0.3299, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 206) }
```

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

```
.background{ background-color: rgb(237,  
255, 206) }
```

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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