

Converting Colors

$Yxy(98.3505, 0.3320, 0.3935)$

Have a look what the booklet for
Yxy(98.3505, 0.3320, 0.3935)
contains.

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Color

Yxy(93.4764, 0.3334, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFC7
RGB	236, 255, 199
RGB Percent	93%, 100%, 78%
CMY	0.0743, 0.0000, 0.2196
CMYK	0.07, 0.00, 0.22, 0.00
HSL	80°, 100%, 89%
HSV	80°, 22%, 100%
XYZ	80.6757, 93.4764, 67.8267
YIQ	242.9350, 6.6520, -21.4440

Conversions

Conversions Part 2

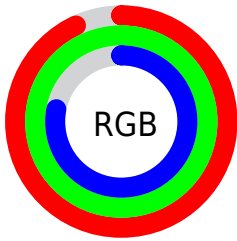
Format	Color
RYB	199, 255, 218
Decimal	15531975
CIELab	97.42, -15.47, 24.74
CIELCh	97, 29.183, 122.016
Yxy	93.4764, 0.3334, 0.3863
Android (android.graphics.Color)	4293722055 (0xFFEFCFC7)
YUV	242.9350, -21.6600, -6.0820
Hunter-Lab	96.6832, -20.2492, 26.0842

Details

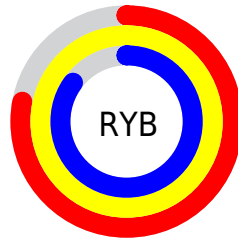
The Yxy color **93.4764, 0.3334, 0.3863** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.9655, 0.2885, 0.2696**, and the grayscale version is **89.7547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.1358, 0.3374, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **90.9524, 0.3424, 0.4144**, and if you desaturate by 10%, it is **96.2783, 0.3240, 0.3593**.

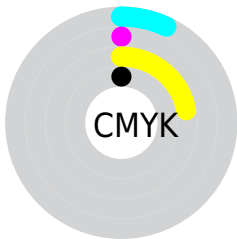
Distribution



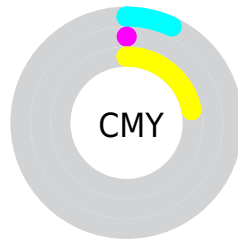
- Red (93%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.4764, 0.3334, 0.3863 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 93.4764, 0.3334, 0.3863 by changing the saturation by 10% instead.


 93.4764, 0.3334,
0.3863

 93.4764, 0.3334,
0.3863


539.2758, 0.3247,
0.3603

 70.8675, 0.3352,
0.3921


152.1580, 0.3305,
0.3774

 52.2341, 0.3373,
0.3992


188.9995, 0.3294,
0.3739

 37.1917, 0.3399,
0.4080


231.3541, 0.3283,
0.3709

 25.3560, 0.3429,
0.4193

279.6060, 0.3274,
0.3682

 16.3425, 0.3466,
0.4343

334.1398, 0.3266,
0.3659

 9.7668, 0.3511,
0.4551

395.3397, 0.3259,

 5.2446, 0.3561,

0.3638

0.4853

463.5902, 0.3253,
0.3620

■ 2.3915, 0.3692,
0.5463

■ 0.8215, 0.3292,
0.6708

■ 93.4764, 0.3334,
0.3863

■ 93.4764, 0.3334,
0.3863

■ 90.9524, 0.3424,
0.4144

■ 96.2783, 0.3240,
0.3593

■ 88.6833, 0.3506,
0.4426

■ 99.3560, 0.3145,
0.3338

■ 86.6612, 0.3575,
0.4699

■ 99.9937, 0.3127,
0.3290

■ 84.8733, 0.3625,
0.4950

■ 83.3055, 0.3653,
0.5167

■ 81.9413, 0.3655,
0.5339

■ 80.7612, 0.3632,
0.5459

■ 79.9225, 0.3599,
0.5524

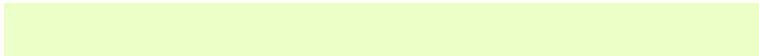
Harmonies

Analogous

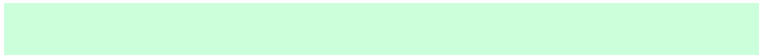
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4764, 0.3612, 0.3824



93.4764, 0.3334, 0.3863



93.4764, 0.3011, 0.3726

Triad

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



93.4764, 0.3334, 0.3863



93.4764, 0.2529, 0.2897



93.4764, 0.3531, 0.3122

Complementary

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



93.4764, 0.3334, 0.3863



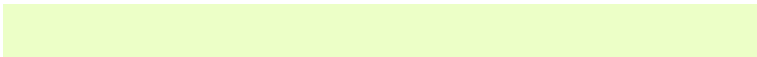
62.9655, 0.2885, 0.2696

Split Complementary

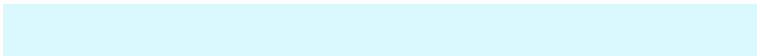
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4764, 0.3221, 0.2905



93.4764, 0.3334, 0.3863



93.4764, 0.2650, 0.2771

Square

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



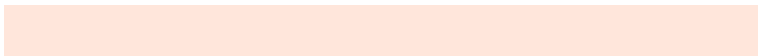
93.4764, 0.3334, 0.3863



93.4764, 0.2556, 0.3143



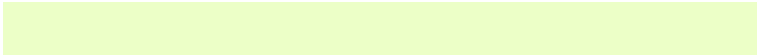
93.4764, 0.2899, 0.2778



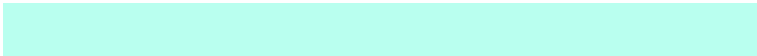
93.4764, 0.3733, 0.3387

Rectangle

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



93.4764, 0.3334, 0.3863



93.4764, 0.2813, 0.3553



93.4764, 0.2899, 0.2778



93.4764, 0.3435, 0.3042

Sweetspot

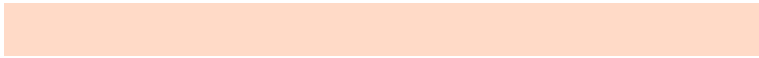
The Sweet Spot groups the original color and five complimentary colors.



93.4805, 0.3334, 0.3863



97.7763, 0.3193, 0.3464



75.3529, 0.3536, 0.3482



20.8885, 0.3199, 0.3480



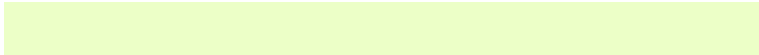
0.0000, 0.0000, 0.0000



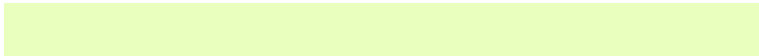
21.4041, 0.3127, 0.3290

Same Dimension

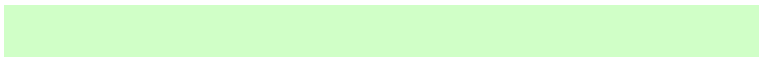
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.4805, 0.3334, 0.3863



92.4342, 0.3371, 0.3976



89.0964, 0.3156, 0.3896



20.7651, 0.3217, 0.3529



41.8504, 0.3609, 0.5517



4.1350, 0.3676, 0.5463

Inverse Universe

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



62.9655, 0.2885, 0.2696



57.3529, 0.2831, 0.2574



67.6009, 0.3084, 0.2730



17.6762, 0.3032, 0.3048



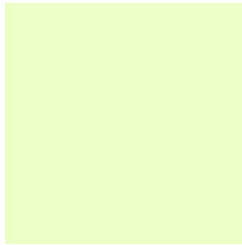
4.8853, 0.1750, 0.0737



0.5329, 0.1871, 0.0805

Previews

White Background



This preview shows how the Yxy color 93.4764, 0.3334, 0.3863 looks on a white background.

Color Contrast Check

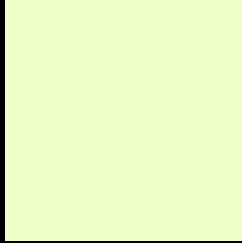
Large Text (above 18pt) WCAG AA × Fail

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 93.4764, 0.3334, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

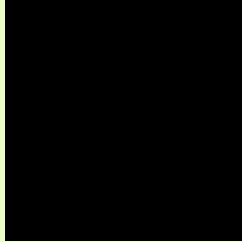
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

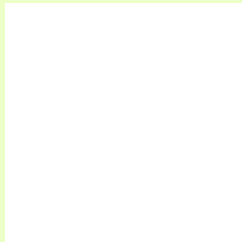
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.4764, 0.3334, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 93.4764, 0.3334, 0.3863.

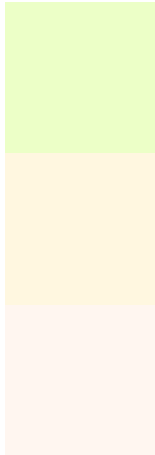


This preview shows how white text looks on a background with the Yxy color 93.4764, 0.3334, 0.3863.

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

93.4764, 0.3334, 0.3863

Protanopia

93.1633, 0.3319, 0.3516

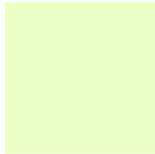
Deuteranopia

93.4628, 0.3222, 0.3348

Tritanopia

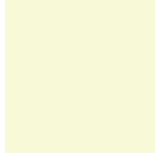
93.5157, 0.3080, 0.3212

Trichromacy



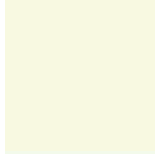
Original Color

93.4764, 0.3334, 0.3863



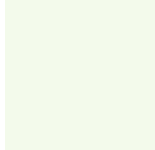
Protanomaly

93.2340, 0.3324, 0.3639



Deuteranomaly

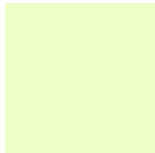
93.1441, 0.3264, 0.3528



Tritanomaly

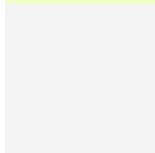
93.4241, 0.3171, 0.3439

Monochromacy



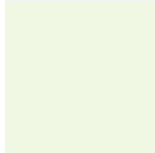
Original Color

93.4764, 0.3334, 0.3863



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.5928, 0.3202, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.4764, 0.3334, 0.3863 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 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(236, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 199) }
```

Border

The CSS property to change the border of an element to Yxy 93.4764, 0.3334, 0.3863 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, 199) }
```

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

```
.border{ border-color:rgb(236, 255, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 93.4764, 0.3334, 0.3863 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, 199) }
```

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

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