

Converting Colors

$Yxy(96.9375, 0.3197, 0.3507)$

Have a look what the booklet for
Yxy(96.9375, 0.3197, 0.3507)
contains.

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Color

Yxy(96.9960, 0.3198, 0.3506)

Conversions

Conversions Part 1

Format	Color
Hex	F6FFE9
RGB	246, 255, 233
RGB Percent	96%, 100%, 91%
CMY	0.0354, 0.0000, 0.0861
CMYK	0.04, 0.00, 0.09, 0.00
HSL	85°, 100%, 96%
HSV	85°, 9%, 100%
XYZ	88.4750, 96.9960, 91.1862
YIQ	249.8010, 1.6980, -8.7500

Conversions

Conversions Part 2

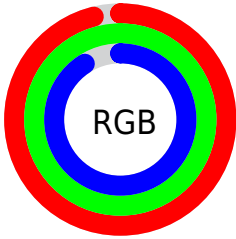
Format	Color
R _{YB}	233, 255, 242
Decimal	16187369
CIE Lab	98.83, -6.74, 9.46
CIE LCh	99, 11.616, 125.484
Yxy	96.9960, 0.3198, 0.3506
Android (android.graphics.Color)	4294377449 (0xFFFF6FFE9)
YUV	249.8010, -8.2829, -3.3335
Hunter-Lab	98.4865, -11.9968, 14.0455

Details

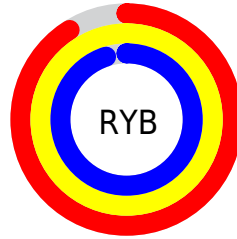
The Yxy color 96.9960, 0.3198, 0.3506 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.4155, 0.3052, 0.3073, and the grayscale version is 95.4937, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.5096, 0.3218, 0.3554 is the 20% darker color. If you saturate the color by 10%, you get 93.8009, 0.3280, 0.3774, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

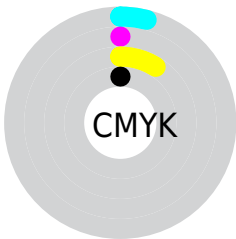
Distribution



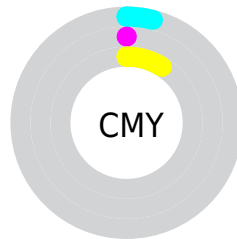
- Red (96%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.9960, 0.3198, 0.3506 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 96.9960, 0.3198, 0.3506 by changing the saturation by 10% instead.


 96.9960, 0.3198,
0.3506

 96.9960, 0.3198,
0.3506


550.5354, 0.3167,
0.3410

 73.7974, 0.3205,
0.3527


157.0193, 0.3188,
0.3473

 54.6282, 0.3212,
0.3553


194.6127, 0.3184,
0.3461

 39.1041, 0.3222,
0.3585


237.7732, 0.3180,
0.3449

 26.8407, 0.3234,
0.3625

286.8852, 0.3177,
0.3440

 17.4536, 0.3249,
0.3679

342.3330, 0.3174,
0.3431

 10.5585, 0.3270,
0.3752

404.5010, 0.3172,

 5.7708, 0.3298,

0.3423

0.3860

473.7737, 0.3169,
0.3416

■ 2.7062, 0.3340,
0.4034

■ 0.9803, 0.3559,
0.4566

■ 96.9960, 0.3198,
0.3506

■ 96.9960, 0.3198,
0.3506

■ 93.8009, 0.3280,
0.3774

100.0000, 0.3127,
0.3290

■ 90.9125, 0.3360,
0.4058

■ 88.3194, 0.3432,
0.4349

■ 86.0093, 0.3493,
0.4637

■ 83.9690, 0.3537,
0.4911

■ 82.1837, 0.3561,
0.5155

■ 80.6370, 0.3561,
0.5357

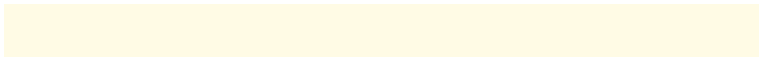
■ 79.3097, 0.3536,
0.5507

■ 78.1752, 0.3490,
0.5605

Harmonies

Analogous

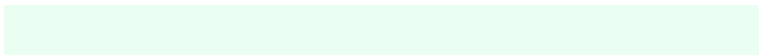
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.9960, 0.3309, 0.3505



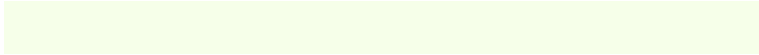
96.9960, 0.3198, 0.3506



96.9960, 0.3070, 0.3446

Triad

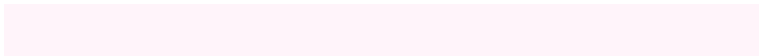
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.9960, 0.3198, 0.3506



96.9960, 0.2888, 0.3129



96.9960, 0.3297, 0.3237

Complementary

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



96.9960, 0.3198, 0.3506



84.4155, 0.3052, 0.3073

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.



96.9960, 0.3182, 0.3142



96.9960, 0.3198, 0.3506



96.9960, 0.2946, 0.3079

Square

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



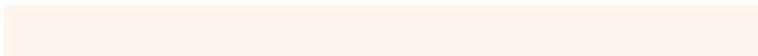
96.9960, 0.3198, 0.3506



96.9960, 0.2893, 0.3225



96.9960, 0.3053, 0.3084



96.9960, 0.3368, 0.3347

Rectangle

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



96.9960, 0.3198, 0.3506



96.9960, 0.2992, 0.3379



96.9960, 0.3053, 0.3084



96.9960, 0.3262, 0.3202

Sweetspot

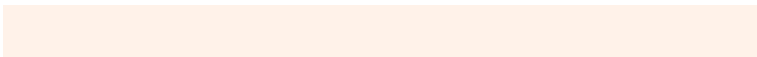
The Sweet Spot groups the original color and five complimentary colors.



96.9960, 0.3198, 0.3506



98.9259, 0.3152, 0.3364



90.5494, 0.3268, 0.3376



21.1138, 0.3158, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

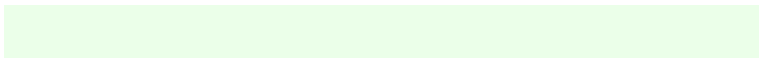
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.9960, 0.3198, 0.3506



96.5323, 0.3210, 0.3542



95.1101, 0.3130, 0.3510



20.6970, 0.3205, 0.3529



40.8608, 0.3494, 0.5608



4.0425, 0.3571, 0.5547

Inverse Universe

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



84.4155, 0.3052, 0.3073



82.0566, 0.3039, 0.3036



86.3725, 0.3123, 0.3077



17.7421, 0.3043, 0.3049



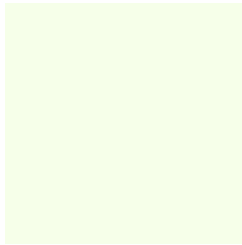
5.4161, 0.1860, 0.0798



0.5894, 0.1986, 0.0867

Previews

White Background



This preview shows how the Yxy color 96.9960, 0.3198, 0.3506 looks on a white background.

Color Contrast Check

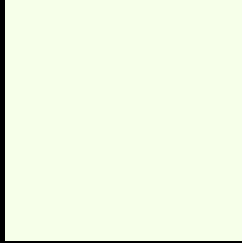
Large Text (above 18pt) WCAG AA × Fail

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 96.9960, 0.3198, 0.3506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

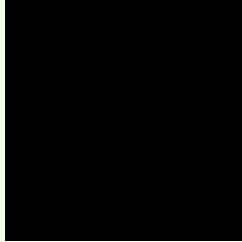
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

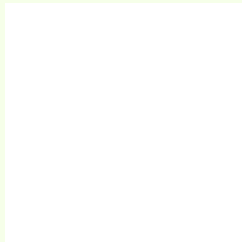
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.9960, 0.3198, 0.3506

Background



This preview shows how black text looks on a background with the Yxy color 96.9960, 0.3198, 0.3506.

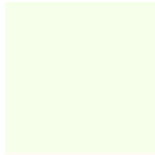


This preview shows how white text looks on a background with the Yxy color 96.9960, 0.3198, 0.3506.

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

96.9960, 0.3198, 0.3506



Protanopia

96.7860, 0.3194, 0.3357

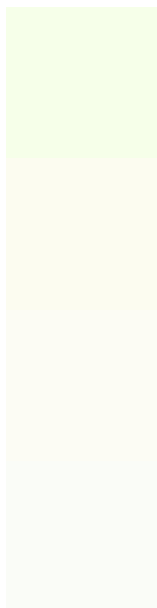
Deuteranopia

97.1565, 0.3158, 0.3300

Tritanopia

96.9098, 0.3110, 0.3252

Trichromacy



Original Color

96.9960, 0.3198, 0.3506

Protanomaly

96.6075, 0.3198, 0.3407

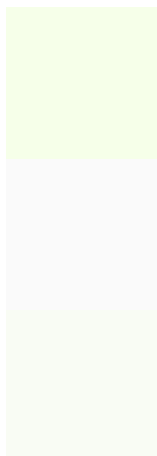
Deuteranomaly

96.8479, 0.3174, 0.3367

Tritanomaly

96.6602, 0.3144, 0.3338

Monochromacy



Original Color

96.9960, 0.3198, 0.3506

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

96.2922, 0.3155, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.9960, 0.3198, 0.3506 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(246, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 233)  
}
```

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(246, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 96.9960, 0.3198, 0.3506 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(246, 255, 233) }
```

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

```
.border{ border-color:rgb(246, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 96.9960, 0.3198, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 233) }
```

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

```
.background{ background-color: rgb(246,  
255, 233) }
```

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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