

Converting Colors

$Y_{xy}(102.2583, 0.3198, 0.3600)$

Have a look what the booklet for
Yxy(102.2583, 0.3198, 0.3600)
contains.

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Color

Yxy(96.9390, 0.3204, 0.3516)

Conversions

Conversions Part 1

Format	Color
Hex	F6FFE8
RGB	246, 255, 232
RGB Percent	96%, 100%, 91%
CMY	0.0353, 0.0000, 0.0900
CMYK	0.04, 0.00, 0.09, 0.00
HSL	84°, 100%, 95%
HSV	84°, 9%, 100%
XYZ	88.3369, 96.9390, 90.4323
YIQ	249.6870, 2.0190, -9.0610

Conversions

Conversions Part 2

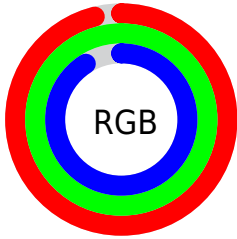
Format	Color
R_{YB}	232, 255, 241
Decimal	16187368
CIE _{Lab}	98.80, -6.90, 9.94
CIE _{LCh}	99, 12.101, 124.764
Yxy	96.9390, 0.3204, 0.3516
Android (android.graphics.Color)	4294377448 (0xFFFF6FFE8)
YUV	249.6870, -8.7197, -3.2335
Hunter-Lab	98.4576, -12.1493, 14.4631

Details

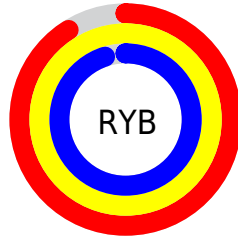
The Yxy color 96.9390, 0.3204, 0.3516 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 83.6678, 0.3045, 0.3062, and the grayscale version is 95.4027, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4699, 0.3226, 0.3566 is the 20% darker color. If you saturate the color by 10%, you get 93.8369, 0.3289, 0.3784, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

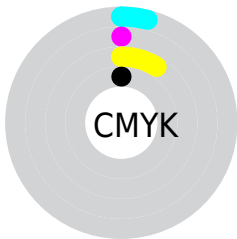
Distribution



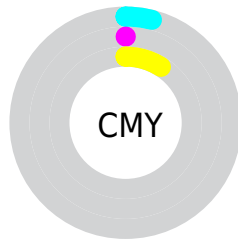
- Red (96%)
- Green (100%)
- Blue (91%)



- 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 96.9390, 0.3204, 0.3516 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 96.9390, 0.3204, 0.3516 by changing the saturation by 10% instead.


 96.9390, 0.3204,
0.3516

 96.9390, 0.3204,
0.3516

550.3540, 0.3171,
0.3416

 73.7499, 0.3211,
0.3538


156.9407, 0.3193,
0.3482

 54.5893, 0.3220,
0.3565


194.5221, 0.3188,
0.3468

 39.0730, 0.3230,
0.3598


237.6696, 0.3185,
0.3457

 26.8165, 0.3243,
0.3641

286.7677, 0.3181,
0.3446

 17.4355, 0.3260,
0.3697

342.2008, 0.3178,
0.3437

 10.5455, 0.3282,
0.3774

404.3533, 0.3175,

 5.7621, 0.3313,

0.3429

0.3887

473.6096, 0.3173,
0.3422

■ 2.7010, 0.3358,
0.4069

■ 0.9777, 0.3606,
0.4651

■ 96.9390, 0.3204,
0.3516

■ 96.9390, 0.3204,
0.3516

■ 93.8369, 0.3289,
0.3784

100.0000, 0.3127,
0.3290

■ 91.0287, 0.3372,
0.4067

■ 88.5063, 0.3447,
0.4356

■ 86.2577, 0.3511,
0.4641

■ 84.2697, 0.3558,
0.4910

■ 82.5280, 0.3583,
0.5149

■ 81.0162, 0.3585,
0.5346

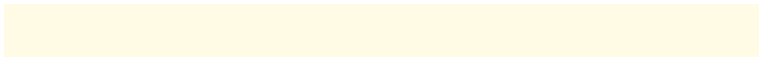
■ 79.7152, 0.3561,
0.5491

■ 78.5978, 0.3517,
0.5585

Harmonies

Analogous

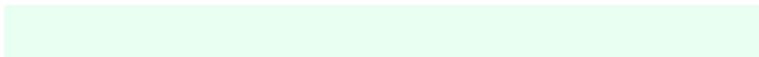
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.9390, 0.3319, 0.3513



96.9390, 0.3204, 0.3516



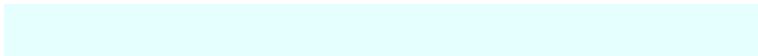
96.9390, 0.3070, 0.3455

Triad

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



96.9390, 0.3204, 0.3516



96.9390, 0.2878, 0.3124



96.9390, 0.3302, 0.3232

Complementary

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



96.9390, 0.3204, 0.3516



83.6678, 0.3045, 0.3062

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.



96.9390, 0.3181, 0.3134



96.9390, 0.3204, 0.3516



96.9390, 0.2937, 0.3071

Square

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



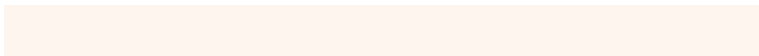
96.9390, 0.3204, 0.3516



96.9390, 0.2884, 0.3225



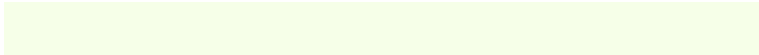
96.9390, 0.3047, 0.3075



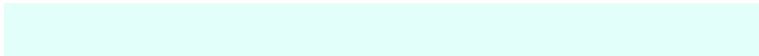
96.9390, 0.3377, 0.3347

Rectangle

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



96.9390, 0.3204, 0.3516



96.9390, 0.2989, 0.3386



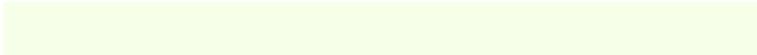
96.9390, 0.3047, 0.3075



96.9390, 0.3265, 0.3196

Sweetspot

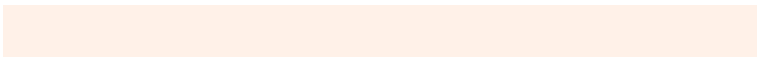
The Sweet Spot groups the original color and five complimentary colors.



96.9421, 0.3204, 0.3516



98.9527, 0.3153, 0.3364



89.9079, 0.3276, 0.3377



21.1211, 0.3159, 0.3384



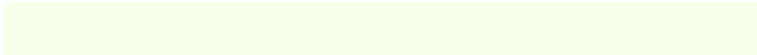
0.0000, 0.0000, 0.0000



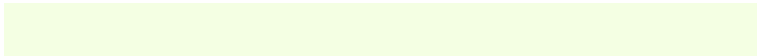
21.4041, 0.3127, 0.3290

Same Dimension

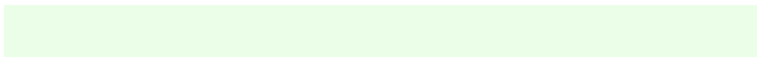
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.9421, 0.3204, 0.3516



96.2973, 0.3221, 0.3568



94.9641, 0.3133, 0.3521



20.7146, 0.3208, 0.3529



41.1032, 0.3523, 0.5585



4.0653, 0.3598, 0.5525

Inverse Universe

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



83.6678, 0.3045, 0.3062



80.2985, 0.3025, 0.3009



85.7150, 0.3120, 0.3067



17.7250, 0.3040, 0.3049



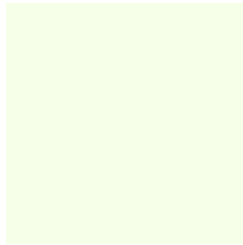
5.2671, 0.1829, 0.0781



0.5739, 0.1955, 0.0850

Previews

White Background



This preview shows how the Yxy color 96.9390, 0.3204, 0.3516 looks on a white background.

Color Contrast Check

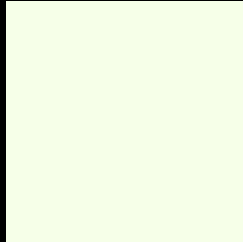
Large Text (above 18pt) WCAG AA × Fail

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 96.9390, 0.3204, 0.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

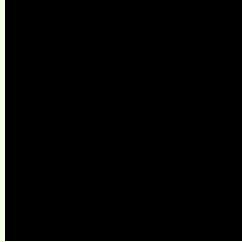
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

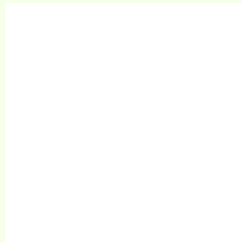
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.9390, 0.3204, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 96.9390, 0.3204, 0.3516.

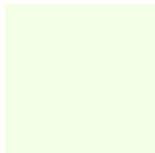


This preview shows how white text looks on a background with the Yxy color 96.9390, 0.3204, 0.3516.

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

96.9390, 0.3204, 0.3516



Protanopia

96.7860, 0.3194, 0.3357

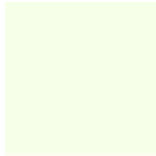
Deuteranopia

97.1565, 0.3158, 0.3300

Tritanopia

96.7236, 0.3104, 0.3252

Trichromacy



Original Color

96.9390, 0.3204, 0.3516

Protanomaly

96.6075, 0.3198, 0.3407

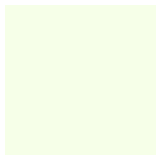
Deuteranomaly

96.7873, 0.3180, 0.3377

Tritanomaly

96.4759, 0.3137, 0.3338

Monochromacy



Original Color

96.9390, 0.3204, 0.3516

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

96.2316, 0.3161, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.9390, 0.3204, 0.3516 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 96.9390, 0.3204, 0.3516 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, 232) }
```

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

```
.border{ border-color:rgb(246, 255, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 96.9390, 0.3204, 0.3516 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, 232) }
```

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

```
.background{ background-color: rgb(246,  
255, 232) }
```

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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