

Converting Colors

$Y_{xy}(100.0000, 0.3556, 0.3783)$

Have a look what the booklet for
Yxy(100.0000, 0.3556, 0.3783)
contains.

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Color

Yxy(96.4079, 0.3444, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	FFFECA
RGB	255, 254, 202
RGB Percent	100%, 100%, 79%
CMY	0.0000, 0.0039, 0.2079
CMYK	0.00, 0.00, 0.21, 0.00
HSL	59°, 100%, 90%
HSV	59°, 21%, 100%
XYZ	87.3530, 96.4079, 69.8773
YIQ	248.3710, 17.2880, -15.9600

Conversions

Conversions Part 2

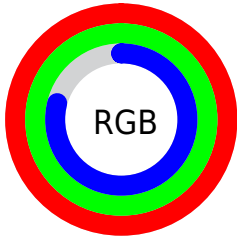
Format	Color
RYP	203, 255, 202
Decimal	16776906
CIE Lab	98.59, -7.81, 25.06
CIE LCh	99, 26.252, 107.314
Yxy	96.4079, 0.3444, 0.3801
Android (android.graphics.Color)	4294966986 (0xFFFFFECA)
YUV	248.3710, -22.8609, 5.8136
Hunter-Lab	98.1875, -13.0248, 26.5362

Details

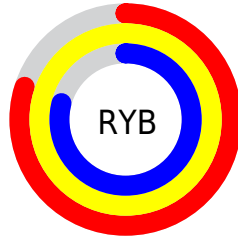
The Yxy color **96.4079, 0.3444, 0.3801** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.4880, 0.2778, 0.2722**, and the grayscale version is **94.3649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.0764, 0.3507, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **94.9879, 0.3598, 0.4049**, and if you desaturate by 10%, it is **98.0210, 0.3289, 0.3552**.

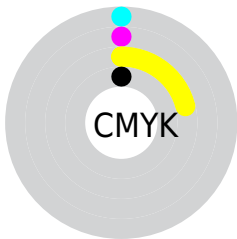
Distribution



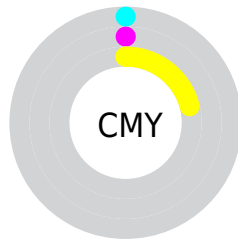
- Red (100%)
- Green (100%)
- Blue (79%)



- Red (80%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4079, 0.3444, 0.3801 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 96.4079, 0.3444, 0.3801 by changing the saturation by 10% instead.

 96.4079, 0.3444,
0.3801

 96.4079, 0.3444,
0.3801

548.6625, 0.3307,
0.3574

 73.3073, 0.3473,
0.3851


156.2082, 0.3398,
0.3724

 54.2273, 0.3508,
0.3911


193.6768, 0.3380,
0.3693

 38.7834, 0.3550,
0.3985


236.7035, 0.3364,
0.3667

 26.5913, 0.3602,
0.4080

285.6727, 0.3350,
0.3644

 17.2665, 0.3668,
0.4203

340.9688, 0.3338,
0.3623

 10.4247, 0.3752,
0.4369


402.9762, 0.3326,


 5.6814, 0.3863,


0.3605


0.4603


472.0793, 0.3316,
0.3588


 2.6524, 0.4058,
0.5017


 0.9531, 0.4282,
0.5718

 96.4079, 0.3444,
0.3801


 96.4079, 0.3444,
0.3801

 94.9879, 0.3598,
0.4049


 98.0210, 0.3289,
0.3552


 93.7621, 0.3746,
0.4286


99.8473, 0.3139,
0.3309


 92.7162, 0.3883,
0.4503


100.0000, 0.3127,
0.3290

 91.8386, 0.4001,
0.4689

 91.1162, 0.4097,
0.4837

 90.5341, 0.4166,
0.4941

 90.0744, 0.4208,
0.5002

 89.7330, 0.4227,
0.5026

Harmonies

Analogous

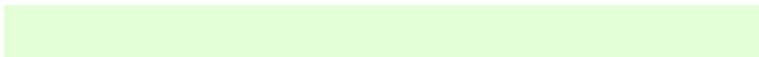
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4079, 0.3642, 0.3701



96.4079, 0.3444, 0.3801



96.4079, 0.3166, 0.3754

Triad

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



96.4079, 0.3444, 0.3801



96.4079, 0.2587, 0.3038



96.4079, 0.3359, 0.3037

Complementary

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



96.4079, 0.3444, 0.3801



62.4880, 0.2778, 0.2722

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.



96.4079, 0.3067, 0.2876



96.4079, 0.3444, 0.3801



96.4079, 0.2631, 0.2868

Square

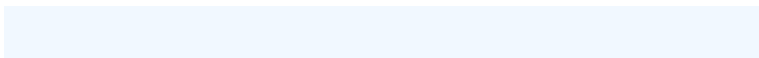
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



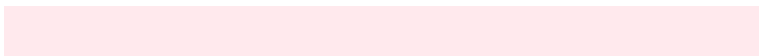
96.4079, 0.3444, 0.3801



96.4079, 0.2678, 0.3294



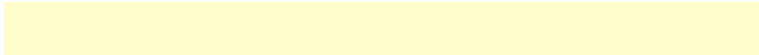
96.4079, 0.2803, 0.2814



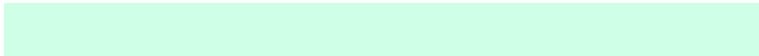
96.4079, 0.3595, 0.3260

Rectangle

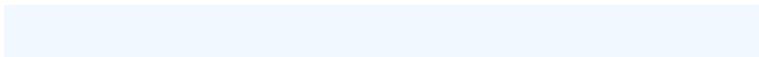
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.4079, 0.3444, 0.3801



96.4079, 0.2975, 0.3640



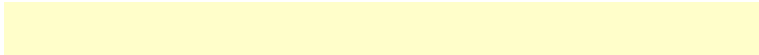
96.4079, 0.2803, 0.2814



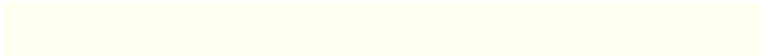
96.4079, 0.3264, 0.2974

Sweetspot

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



96.4043, 0.3444, 0.3801



98.8684, 0.3216, 0.3435



67.8470, 0.3533, 0.3273



21.1366, 0.3226, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

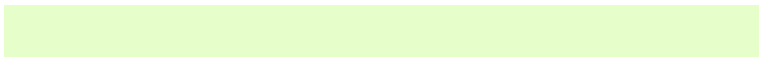
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4043, 0.3444, 0.3801



95.7836, 0.3509, 0.3906



92.6508, 0.3279, 0.3838



21.0281, 0.3270, 0.3520



46.9143, 0.4227, 0.5026



4.5860, 0.4223, 0.5029

Inverse Universe

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



62.4880, 0.2778, 0.2722



56.2300, 0.2696, 0.2589



65.7459, 0.2948, 0.2739



17.4329, 0.2978, 0.3049



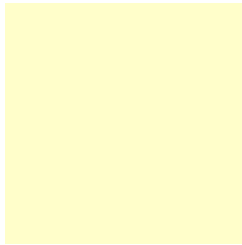
3.8513, 0.1503, 0.0611



0.3936, 0.1511, 0.0638

Previews

White Background



This preview shows how the Yxy color 96.4079, 0.3444, 0.3801 looks on a white background.

Color Contrast Check

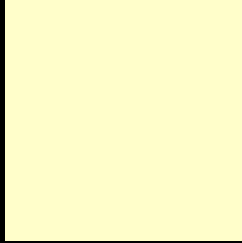
Large Text (above 18pt) WCAG AA × Fail

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 96.4079, 0.3444, 0.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

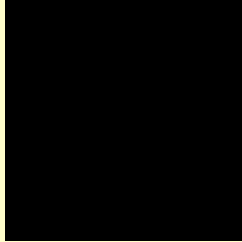
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.4079, 0.3444, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 96.4079, 0.3444, 0.3801.



This preview shows how white text looks on a background with the Yxy color 96.4079, 0.3444, 0.3801.

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

96.4079, 0.3444, 0.3801



Protanopia

96.4864, 0.3224, 0.3406

Deuteranopia

96.3466, 0.3177, 0.3319

Tritanopia

96.2314, 0.3130, 0.3233

Trichromacy



Original Color

96.4079, 0.3444, 0.3801



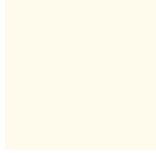
Protanomaly

96.3718, 0.3301, 0.3543



Deuteranomaly

96.0239, 0.3272, 0.3485



Tritanomaly

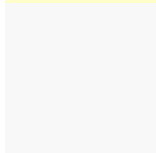
96.3105, 0.3242, 0.3435

Monochromacy



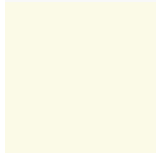
Original Color

96.4079, 0.3444, 0.3801



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

94.6500, 0.3247, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.4079, 0.3444, 0.3801 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(255, 254, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 202)  
}
```

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(255, 254, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 202) }
```

Border

The CSS property to change the border of an element to Yxy 96.4079, 0.3444, 0.3801 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(255, 254, 202) }
```

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

```
.border{ border-color:rgb(255, 254, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 96.4079, 0.3444, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 202) }
```

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

```
.background{ background-color: rgb(255,  
254, 202) }
```

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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