

Converting Colors

$Y_{xy}(100.0000, 0.3369, 0.3827)$

Have a look what the booklet for
Yxy(100.0000, 0.3369, 0.3827)
contains.

Yxy(96.1160, 0.3378, 0.3777)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(96.1160, 0.3378, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFCE
RGB	249, 255, 206
RGB Percent	98%, 100%, 81%
CMY	0.0236, 0.0000, 0.1922
CMYK	0.02, 0.00, 0.19, 0.00
HSL	67°, 100%, 90%
HSV	67°, 19%, 100%
XYZ	85.9624, 96.1160, 72.3987
YIQ	247.6200, 12.1530, -16.5110

Conversions

Conversions Part 2

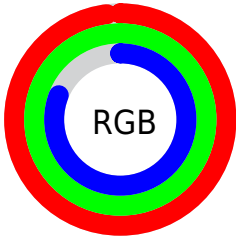
Format	Color
R _Y B	206, 255, 212
Decimal	16383950
CIE Lab	98.48, -9.91, 22.81
CIE LCh	98, 24.871, 113.475
Yxy	96.1160, 0.3378, 0.3777
Android (android.graphics.Color)	4294574030 (0xFFF9FFCE)
YUV	247.6200, -20.5187, 1.2103
Hunter-Lab	98.0388, -15.0555, 24.8432

Details

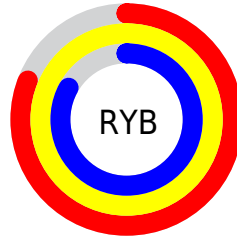
The Yxy color **96.1160, 0.3378, 0.3777** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.3473, 0.2847, 0.2766**, and the grayscale version is **93.7007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.8616, 0.3423, 0.3873** is the 20% darker color. If you saturate the color by 10%, you get **94.4030, 0.3508, 0.4039**, and if you desaturate by 10%, it is **98.0337, 0.3246, 0.3519**.

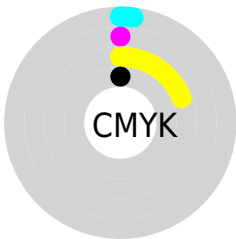
Distribution



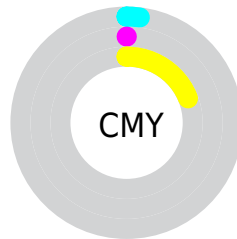
- Red (98%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (83%)



- Cyan (2%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.1160, 0.3378, 0.3777 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 96.1160, 0.3378, 0.3777 by changing the saturation by 10% instead.


 96.1160, 0.3378,
0.3777

 96.1160, 0.3378,
0.3777


547.7316, 0.3270,
0.3559

 73.0642, 0.3401,
0.3825

155.8055, 0.3342,
0.3703

 54.0284, 0.3428,
0.3883


193.2120, 0.3328,
0.3674

 38.6244, 0.3461,
0.3955


236.1721, 0.3315,
0.3648

 26.4677, 0.3502,
0.4047

285.0703, 0.3304,
0.3626

 17.1738, 0.3553,
0.4168

340.2909, 0.3294,
0.3606

 10.3585, 0.3619,
0.4333

402.2184, 0.3285,

 5.6373, 0.3705,

0.3589

0.4570

471.2372, 0.3277,
0.3573

■ 2.6258, 0.3838,
0.4966

■ 0.9397, 0.4090,
0.5910

■ 96.1160, 0.3378,
0.3777

■ 96.1160, 0.3378,
0.3777

■ 94.4030, 0.3508,
0.4039


■ 98.0337, 0.3246,
0.3519

■ 92.8939, 0.3633,
0.4296

100.0000, 0.3127,
0.3290


■ 91.5751, 0.3745,
0.4539


■ 90.4351, 0.3840,
0.4756

 89.4611, 0.3912,
0.4938

 88.6384, 0.3959,
0.5077

 87.9496, 0.3979,
0.5170

 87.3685, 0.3975,
0.5223

 87.3255, 0.3975,
0.5226

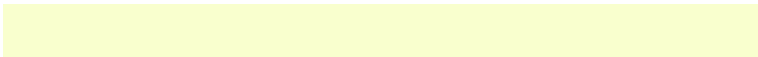
Harmonies

Analogous

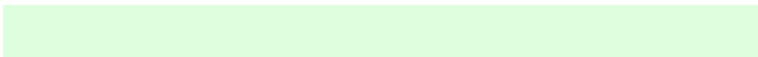
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.1160, 0.3587, 0.3709



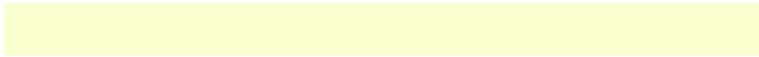
96.1160, 0.3378, 0.3777



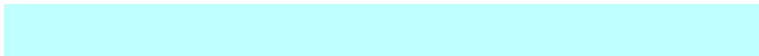
96.1160, 0.3108, 0.3702

Triad

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



96.1160, 0.3378, 0.3777



96.1160, 0.2612, 0.3011



96.1160, 0.3400, 0.3089

Complementary

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



96.1160, 0.3378, 0.3777



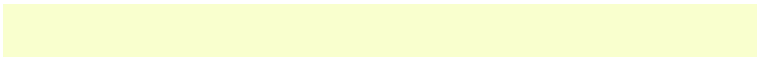
65.3473, 0.2847, 0.2766

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.



96.1160, 0.3128, 0.2921



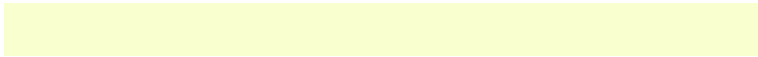
96.1160, 0.3378, 0.3777



96.1160, 0.2680, 0.2869

Square

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



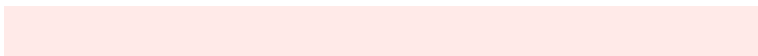
96.1160, 0.3378, 0.3777



96.1160, 0.2672, 0.3241



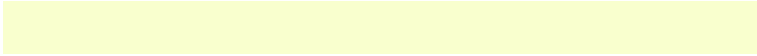
96.1160, 0.2866, 0.2840



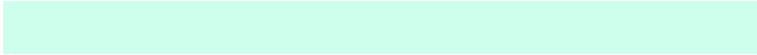
96.1160, 0.3603, 0.3310

Rectangle

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



96.1160, 0.3378, 0.3777



96.1160, 0.2931, 0.3578



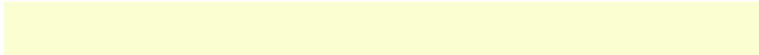
96.1160, 0.2866, 0.2840



96.1160, 0.3313, 0.3026

Sweetspot

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



96.1131, 0.3378, 0.3777



98.6994, 0.3204, 0.3438



72.6509, 0.3497, 0.3350



21.0965, 0.3213, 0.3454



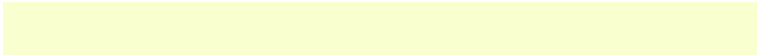
0.0000, 0.0000, 0.0000



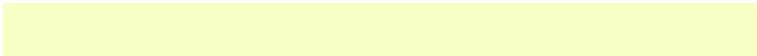
21.4041, 0.3127, 0.3290

Same Dimension

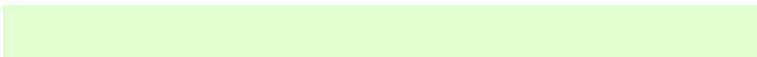
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.1131, 0.3378, 0.3777



95.4432, 0.3428, 0.3876



91.9457, 0.3220, 0.3802



20.9711, 0.3250, 0.3526



45.6740, 0.3979, 0.5223



4.4775, 0.4005, 0.5202

Inverse Universe

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



65.3473, 0.2847, 0.2766



59.6304, 0.2783, 0.2649



69.2206, 0.3015, 0.2791



17.4844, 0.2998, 0.3045



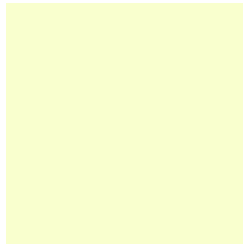
3.9601, 0.1544, 0.0624



0.4178, 0.1620, 0.0666

Previews

White Background



This preview shows how the Yxy color 96.1160, 0.3378, 0.3777 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 96.1160, 0.3378, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

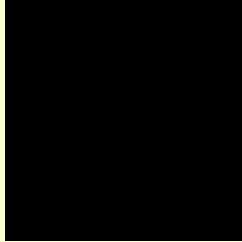
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.1160, 0.3378, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 96.1160, 0.3378, 0.3777.

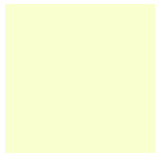


This preview shows how white text looks on a background with the Yxy color 96.1160, 0.3378, 0.3777.

Color Blindness Simulation

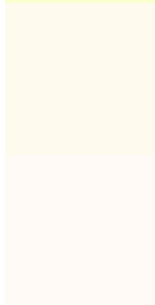
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.1160, 0.3378, 0.3777



Protanopia

95.8043, 0.3230, 0.3406

Deuteranopia

96.2850, 0.3183, 0.3329

Tritanopia

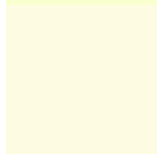
95.6668, 0.3111, 0.3232

Trichromacy



Original Color

96.1160, 0.3378, 0.3777



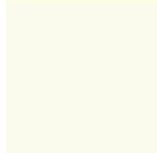
Protanomaly

95.9944, 0.3288, 0.3544



Deuteranomaly

96.2730, 0.3258, 0.3495



Tritanomaly

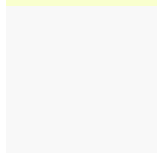
95.6180, 0.3210, 0.3427

Monochromacy



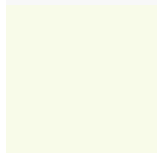
Original Color

96.1160, 0.3378, 0.3777



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

94.8340, 0.3214, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.1160, 0.3378, 0.3777 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(249, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 96.1160, 0.3378, 0.3777 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(249, 255, 206) }
```

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

```
.border{ border-color:rgb(249, 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(249, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 96.1160, 0.3378, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 206) }
```

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

```
.background{ background-color: rgb(249,  
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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