

Converting Colors

$Yxy(96.4226, 0.3305, 0.3669)$

Have a look what the booklet for
Yxy(96.4226, 0.3305, 0.3669)
contains.

Yxy(96.4862, 0.3306, 0.3666)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(96.4862, 0.3306, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	F8FFD9
RGB	248, 255, 217
RGB Percent	97%, 100%, 85%
CMY	0.0272, 0.0000, 0.1489
CMYK	0.03, 0.00, 0.15, 0.00
HSL	71°, 100%, 93%
HSV	71°, 15%, 100%
XYZ	87.0113, 96.4862, 79.6945
YIQ	248.5750, 8.0260, -13.3020

Conversions

Conversions Part 2

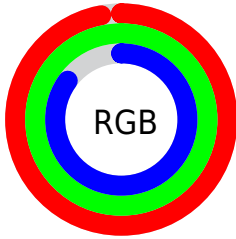
Format	Color
R_{YB}	217, 255, 224
Decimal	16318425
CIE _{Lab}	98.63, -8.58, 17.39
CIE _{LCh}	99, 19.391, 116.266
Y _{xy}	96.4862, 0.3306, 0.3666
Android (android.graphics.Color)	4294508505 (0xFFF8FFD9)
YUV	248.5750, -15.5665, -0.5043
Hunter-Lab	98.2274, -13.7800, 20.6556

Details

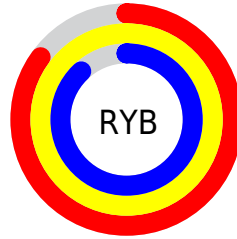
The Yxy color **96.4862, 0.3306, 0.3666** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.6946, 0.2932, 0.2896**, and the grayscale version is **94.4992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.0732, 0.3339, 0.3746** is the 20% darker color. If you saturate the color by 10%, you get **94.4231, 0.3427, 0.3931**, and if you desaturate by 10%, it is **98.7840, 0.3185, 0.3410**.

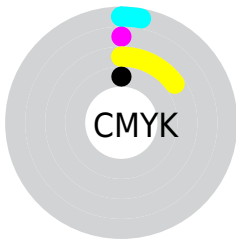
Distribution



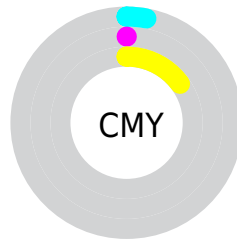
- Red (97%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (88%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.4862, 0.3306, 0.3666 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 96.4862, 0.3306, 0.3666 by changing the saturation by 10% instead.


 96.4862, 0.3306,
0.3666

 96.4862, 0.3306,
0.3666


548.9120, 0.3229,
0.3498

 73.3726, 0.3322,
0.3703

156.3163, 0.3280,
0.3609

 54.2807, 0.3342,
0.3748


193.8015, 0.3270,
0.3586

 38.8261, 0.3366,
0.3804

236.8460, 0.3261,
0.3567

 26.6245, 0.3396,
0.3875

285.8342, 0.3253,
0.3550

 17.2914, 0.3434,
0.3969

341.1505, 0.3246,
0.3535

 10.4425, 0.3484,
0.4097

403.1793, 0.3240,

 5.6933, 0.3552,

0.3521

0.4285

472.3050, 0.3234,
0.3509

■ 2.6595, 0.3645,
0.4580

■ 0.9567, 0.4219,
0.5781

■ 96.4862, 0.3306,
0.3666

■ 96.4862, 0.3306,
0.3666

■ 94.4231, 0.3427,
0.3931

■ 98.7840, 0.3185,
0.3410

■ 92.5725, 0.3543,
0.4197

99.9935, 0.3127,
0.3290

■ 90.9282, 0.3650,
0.4456

■ 89.4792, 0.3742,
0.4697

■ 88.2131, 0.3814,
0.4907

■ 87.1160, 0.3861,
0.5079

■ 86.1717, 0.3882,
0.5205

■ 85.3604, 0.3877,
0.5284

■ 84.9828, 0.3868,
0.5311

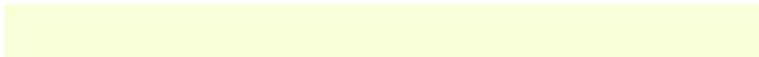
Harmonies

Analogous

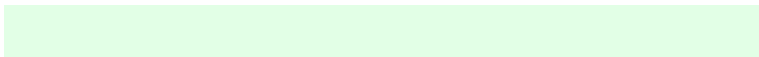
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4862, 0.3474, 0.3627



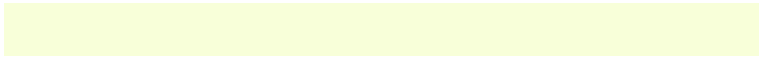
96.4862, 0.3306, 0.3666



96.4862, 0.3094, 0.3596

Triad

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



96.4862, 0.3306, 0.3666



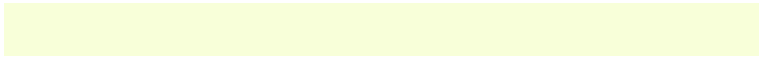
96.4862, 0.2723, 0.3061



96.4862, 0.3358, 0.3148

Complementary

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



96.4862, 0.3306, 0.3666



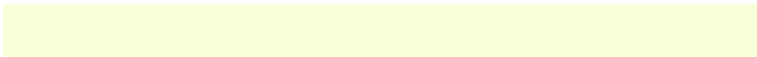
72.6946, 0.2932, 0.2896

Split Complementary

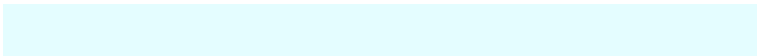
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4862, 0.3149, 0.3009



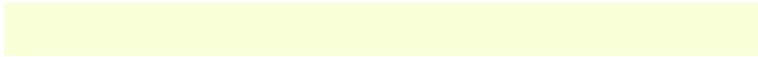
96.4862, 0.3306, 0.3666



96.4862, 0.2787, 0.2955

Square

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



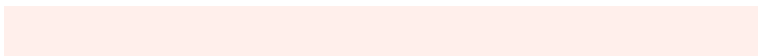
96.4862, 0.3306, 0.3666



96.4862, 0.2762, 0.3236



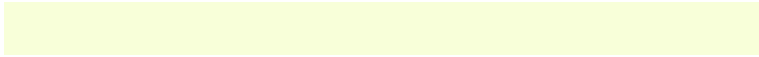
96.4862, 0.2941, 0.2938



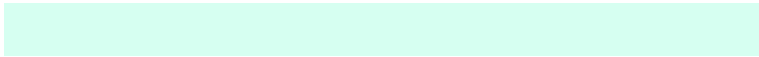
96.4862, 0.3506, 0.3325

Rectangle

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



96.4862, 0.3306, 0.3666



96.4862, 0.2957, 0.3496



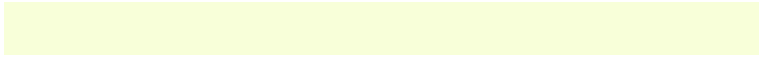
96.4862, 0.2941, 0.2938



96.4862, 0.3292, 0.3096

Sweetspot

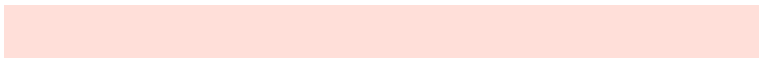
The Sweet Spot groups the original color and five complimentary colors.



96.4904, 0.3306, 0.3666



99.0087, 0.3175, 0.3388



79.2298, 0.3397, 0.3354



21.1529, 0.3184, 0.3407



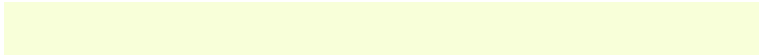
0.0000, 0.0000, 0.0000



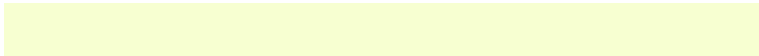
21.4041, 0.3127, 0.3290

Same Dimension

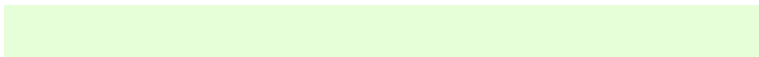
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4904, 0.3306, 0.3666



95.8327, 0.3344, 0.3748



93.2936, 0.3188, 0.3680



20.9131, 0.3241, 0.3527



44.4700, 0.3873, 0.5307



4.3715, 0.3912, 0.5276

Inverse Universe

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



72.6946, 0.2932, 0.2896



67.6961, 0.2885, 0.2805



75.7907, 0.3057, 0.2910



17.5373, 0.3007, 0.3046



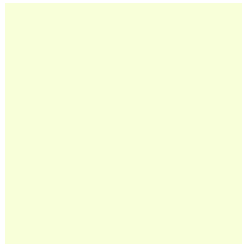
4.1288, 0.1583, 0.0646



0.4430, 0.1677, 0.0698

Previews

White Background



This preview shows how the Yxy color 96.4862, 0.3306, 0.3666 looks on a white background.

Color Contrast Check

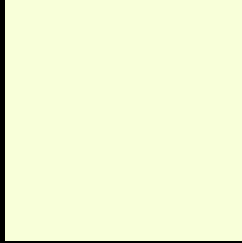
Large Text (above 18pt) WCAG AA × Fail

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 96.4862, 0.3306, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

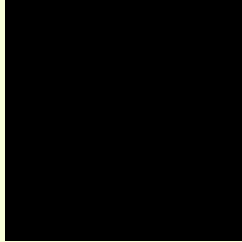
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

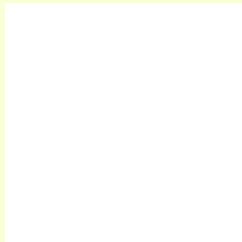
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.4862, 0.3306, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 96.4862, 0.3306, 0.3666.



This preview shows how white text looks on a background with the Yxy color 96.4862, 0.3306, 0.3666.

Color Blindness Simulation

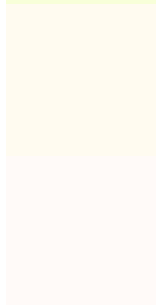
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.4862, 0.3306, 0.3666



Protanopia

96.5456, 0.3218, 0.3396

Deuteranopia

96.4085, 0.3171, 0.3309

Tritanopia

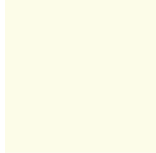
96.2867, 0.3111, 0.3242

Trichromacy



Original Color

96.4862, 0.3306, 0.3666



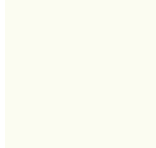
Protanomaly

96.1424, 0.3245, 0.3485



Deuteranomaly

96.4307, 0.3215, 0.3436



Tritanomaly

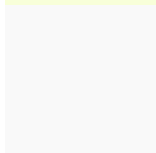
96.4809, 0.3185, 0.3397

Monochromacy



Original Color

96.4862, 0.3306, 0.3666



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

95.2485, 0.3197, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.4862, 0.3306, 0.3666 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(248, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 217)  
}
```

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(248, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 96.4862, 0.3306, 0.3666 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(248, 255, 217) }
```

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

```
.border{ border-color:rgb(248, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(248, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 96.4862, 0.3306, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 217) }
```

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

```
.background{ background-color: rgb(248,  
255, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor