

Converting Colors

$Yxy(96.8615, 0.3262, 0.3593)$

Have a look what the booklet for
Yxy(96.8615, 0.3262, 0.3593)
contains.

Yxy(96.8583, 0.3264, 0.3596)	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(96.8583, 0.3264, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	F8FFE0
RGB	248, 255, 224
RGB Percent	97%, 100%, 88%
CMY	0.0276, 0.0000, 0.1216
CMYK	0.03, 0.00, 0.12, 0.00
HSL	74°, 100%, 94%
HSV	74°, 12%, 100%
XYZ	87.9159, 96.8583, 84.5759
YIQ	249.3730, 5.7790, -11.1250

Conversions

Conversions Part 2

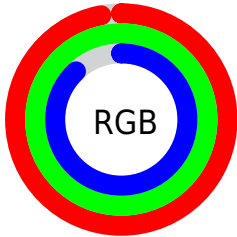
Format	Color
R_{YB}	224, 255, 231
Decimal	16318432
CIE _{Lab}	98.77, -7.54, 14.04
CIE _{LCh}	99, 15.932, 118.243
Yxy	96.8583, 0.3264, 0.3596
Android (android.graphics.Color)	4294508512 (0xFFFF8FFE0)
YUV	249.3730, -12.5089, -1.2041
Hunter-Lab	98.4166, -12.7745, 17.9398

Details

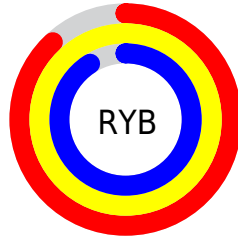
The Yxy color **96.8583, 0.3264, 0.3596** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77.5203, 0.2980, 0.2974**, and the grayscale version is **95.1454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.4592, 0.3295, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **94.5296, 0.3377, 0.3861**, and if you desaturate by 10%, it is **99.4141, 0.3151, 0.3343**.

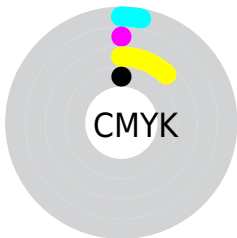
Distribution



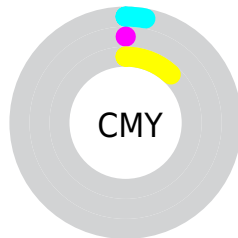
- Red (97%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (91%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.8583, 0.3264, 0.3596 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 96.8583, 0.3264, 0.3596 by changing the saturation by 10% instead.

 96.8583, 0.3264,
0.3596

 96.8583, 0.3264,
0.3596


550.0972, 0.3205,
0.3460

 73.6826, 0.3277,
0.3626

156.8294, 0.3244,
0.3550

 54.5343, 0.3292,
0.3662


194.3937, 0.3236,
0.3531

 39.0290, 0.3310,
0.3708


237.5229, 0.3229,
0.3516

 26.7823, 0.3333,
0.3765

286.6014, 0.3223,
0.3502

 17.4098, 0.3363,
0.3841

342.0137, 0.3218,
0.3489

 10.5271, 0.3403,
0.3946

404.1442, 0.3213,

 5.7498, 0.3457,

0.3478

0.4099

473.3772, 0.3209,
0.3469

■ 2.6935, 0.3535,
0.4342

■ 0.9739, 0.4131,
0.5444

■ 96.8583, 0.3264,
0.3596

■ 96.8583, 0.3264,
0.3596

■ 94.5296, 0.3377,
0.3861

■ 99.4141, 0.3151,
0.3343

■ 92.4381, 0.3488,
0.4132

100.0000, 0.3127,
0.3290

■ 90.5670, 0.3590,
0.4400

■ 88.9054, 0.3678,
0.4654

■ 87.4410, 0.3748,
0.4883

■ 86.1604, 0.3794,
0.5075

■ 85.0478, 0.3814,
0.5223

■ 84.0846, 0.3808,
0.5323

■ 83.4121, 0.3790,
0.5373

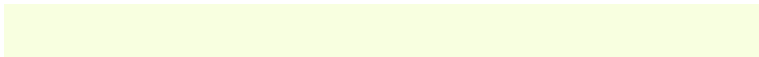
Harmonies

Analogous

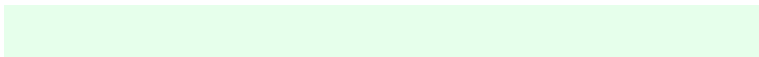
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.8583, 0.3405, 0.3572



96.8583, 0.3264, 0.3596



96.8583, 0.3089, 0.3533

Triad

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



96.8583, 0.3264, 0.3596



96.8583, 0.2795, 0.3095



96.8583, 0.3327, 0.3183

Complementary

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



96.8583, 0.3264, 0.3596



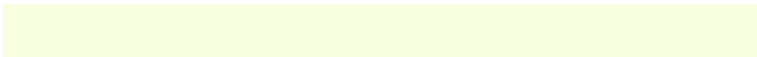
77.5203, 0.2980, 0.2974

Split Complementary

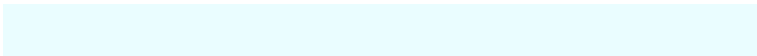
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8583, 0.3158, 0.3064



96.8583, 0.3264, 0.3596



96.8583, 0.2853, 0.3011

Square

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



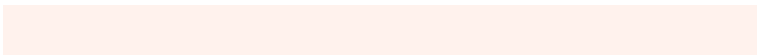
96.8583, 0.3264, 0.3596



96.8583, 0.2822, 0.3236



96.8583, 0.2985, 0.3001



96.8583, 0.3442, 0.3330

Rectangle

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



96.8583, 0.3264, 0.3596



96.8583, 0.2978, 0.3449



96.8583, 0.2985, 0.3001



96.8583, 0.3274, 0.3138

Sweetspot

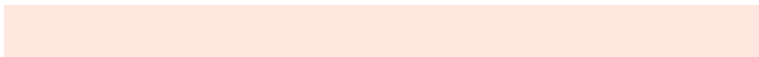
The Sweet Spot groups the original color and five complimentary colors.



96.8518, 0.3264, 0.3596



98.9242, 0.3172, 0.3388



83.6313, 0.3340, 0.3357



21.1315, 0.3180, 0.3407



0.0000, 0.0000, 0.0000



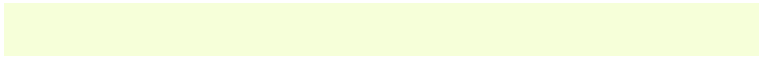
21.4041, 0.3127, 0.3290

Same Dimension

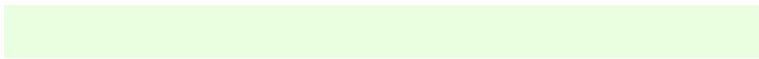
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.8518, 0.3264, 0.3596



96.1683, 0.3296, 0.3670



94.1877, 0.3167, 0.3605



20.8708, 0.3234, 0.3527



43.6546, 0.3796, 0.5368



4.2989, 0.3844, 0.5330

Inverse Universe

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



77.5203, 0.2980, 0.2974



72.7930, 0.2941, 0.2894



80.1588, 0.3081, 0.2984



17.5764, 0.3014, 0.3047



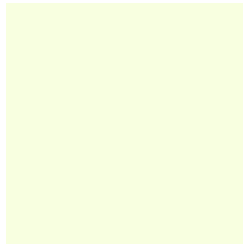
4.2944, 0.1620, 0.0666



0.4644, 0.1725, 0.0724

Previews

White Background



This preview shows how the Yxy color 96.8583, 0.3264, 0.3596 looks on a white background.

Color Contrast Check

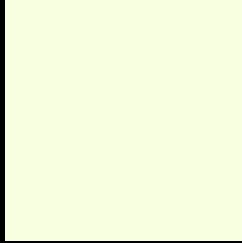
Large Text (above 18pt) WCAG AA × Fail

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 96.8583, 0.3264, 0.3596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

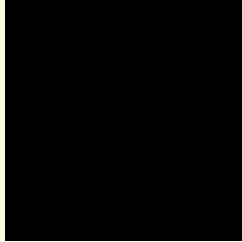
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.8583, 0.3264, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 96.8583, 0.3264, 0.3596.



This preview shows how white text looks on a background with the Yxy color 96.8583, 0.3264, 0.3596.

Color Blindness Simulation

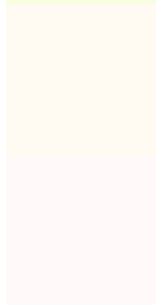
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.8583, 0.3264, 0.3596



Protanopia

96.6652, 0.3206, 0.3377

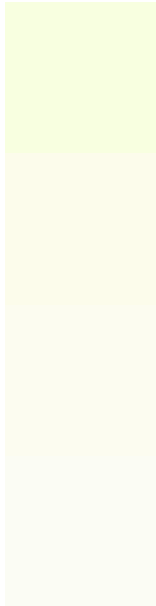
Deuteranopia

96.4708, 0.3165, 0.3300

Tritanopia

96.9098, 0.3110, 0.3252

Trichromacy



Original Color

96.8583, 0.3264, 0.3596

Protanomaly

96.3144, 0.3227, 0.3456

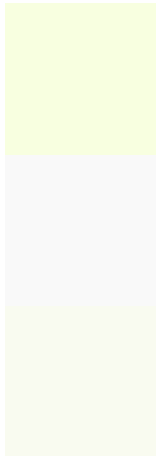
Deuteranomaly

96.6075, 0.3198, 0.3407

Tritanomaly

96.6617, 0.3168, 0.3368

Monochromacy



Original Color

96.8583, 0.3264, 0.3596

Achromatopsia

94.7307, 0.3127, 0.3290

Achromatomaly

95.4254, 0.3179, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.8583, 0.3264, 0.3596 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 96.8583, 0.3264, 0.3596 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, 224) }
```

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

```
.border{ border-color:rgb(248, 255, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 96.8583, 0.3264, 0.3596 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, 224) }
```

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

```
.background{ background-color: rgb(248,  
255, 224) }
```

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