

# Converting Colors

$Y_{xy}(93.7271, 0.3282, 0.3526)$

Have a look what the booklet for  
Yxy(93.7271, 0.3282, 0.3526)  
contains.

<b>Yxy(93.6968, 0.3284, 0.3527)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(93.6968, 0.3284, 0.3527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF9E1
RGB	251, 249, 225
RGB Percent	98%, 98%, 88%
CMY	0.0158, 0.0235, 0.1177
CMYK	0.00, 0.01, 0.10, 0.02
HSL	55°, 76%, 93%
HSV	55°, 10%, 98%
XYZ	87.2414, 93.6968, 84.7176
YIQ	246.8620, 8.8960, -7.0400

# Conversions

## Conversions Part 2

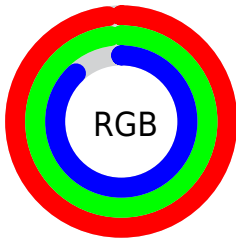
Format	Color
<a href="#">RYB</a>	<a href="#">227, 251, 225</a>
Decimal	<a href="#">16513505</a>
CIELab	<a href="#">97.51, -3.35, 11.76</a>
CIELCh	<a href="#">98, 12.223, 105.888</a>
Yxy	<a href="#">93.6968, 0.3284, 0.3527</a>
Android (android.graphics.Color)	<a href="#">4294703585 (0xFFFFBF9E1)</a>
YUV	<a href="#">246.8620, -10.7780, 3.6290</a>
Hunter-Lab	<a href="#">96.7971, -8.5163, 15.8669</a>

# Details

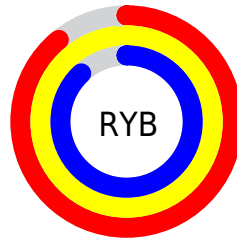
The Yxy color 93.6968, 0.3284, 0.3527 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 77.8823, 0.2965, 0.3041, and the grayscale version is 92.9770, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.5115, 0.3311, 0.3580 is the 20% darker color. If you saturate the color by 10%, you get 91.2679, 0.3442, 0.3763, and if you desaturate by 10%, it is 96.3470, 0.3132, 0.3298.

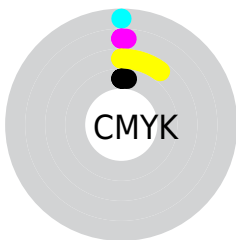
# Distribution



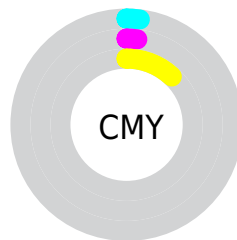
- Red (98%)
- Green (98%)
- Blue (88%)



- Red (89%)
- Yellow (98%)
- Blue (88%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (2%)




- Cyan (2%)
- Magenta (2%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.6968, 0.3284, 0.3527 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 93.6968, 0.3284, 0.3527 by changing the saturation by 10% instead.



 93.6968, 0.3284,  
0.3527

 93.6968, 0.3284,  
0.3527


539.9845, 0.3215,  
0.3422

 71.0508, 0.3299,  
0.3550


152.4630, 0.3261,  
0.3491

 52.3837, 0.3317,  
0.3578


189.3519, 0.3251,  
0.3477

 37.3110, 0.3339,  
0.3613


231.7573, 0.3243,  
0.3465

 25.4484, 0.3368,  
0.3658

280.0635, 0.3236,  
0.3454

 16.4114, 0.3405,  
0.3717

334.6549, 0.3230,  
0.3444

 9.8157, 0.3455,  
0.3798


395.9159, 0.3225,


 5.2770, 0.3527,

0.3436

0.3916


464.2310, 0.3220,  
0.3428

 2.4107, 0.3637,  
0.4105


 0.8314, 0.4365,  
0.5122


 93.6968, 0.3284,  
0.3527

 93.6968, 0.3284,  
0.3527


 91.2679, 0.3442,  
0.3763


 96.3470, 0.3132,  
0.3298


 89.0392, 0.3602,  
0.3999

 97.8449, 0.3103,  
0.3269

 87.0054, 0.3760,  
0.4226

 99.0426, 0.3102,  
0.3287

 85.1562, 0.3909,  
0.4436

 99.2439, 0.3102,  
0.3290

■ 83.4805, 0.4043,  
0.4618

■ 81.9657, 0.4155,  
0.4763

■ 80.5975, 0.4242,  
0.4865

■ 79.3589, 0.4300,  
0.4922

■ 78.2596, 0.4334,  
0.4941

# Harmonies

## Analogous

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



93.6968, 0.3372, 0.3484



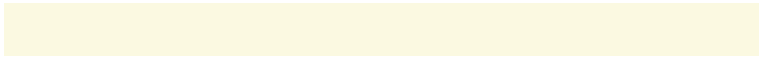
93.6968, 0.3284, 0.3527



93.6968, 0.3155, 0.3505

# Triad

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



93.6968, 0.3284, 0.3527



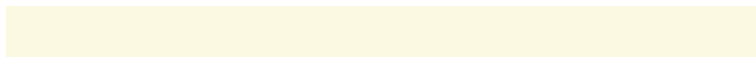
93.6968, 0.2868, 0.3181



93.6968, 0.3231, 0.3164

# Complementary

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



93.6968, 0.3284, 0.3527



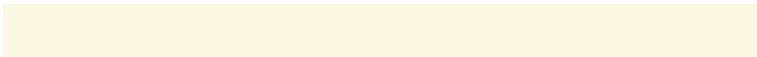
77.8823, 0.2965, 0.3041

# Split Complementary

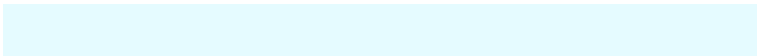
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6968, 0.3095, 0.3087



93.6968, 0.3284, 0.3527



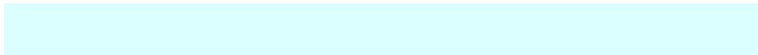
93.6968, 0.2887, 0.3094

# Square

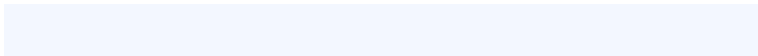
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



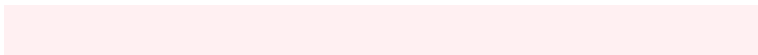
93.6968, 0.3284, 0.3527



93.6968, 0.2917, 0.3301



93.6968, 0.2969, 0.3061



93.6968, 0.3341, 0.3274

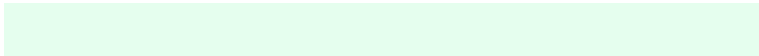


# Rectangle

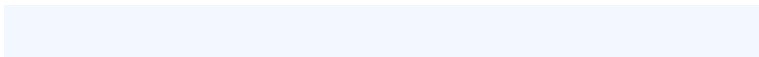
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.6968, 0.3284, 0.3527



93.6968, 0.3064, 0.3455



93.6968, 0.2969, 0.3061



93.6968, 0.3187, 0.3134

# Sweetspot

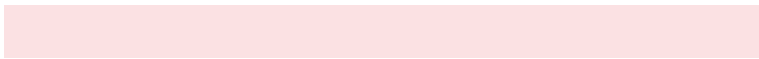
The Sweet Spot groups the original color and five complimentary colors.



93.7009, 0.3284, 0.3527



99.1501, 0.3172, 0.3358



79.9075, 0.3296, 0.3269



21.1743, 0.3184, 0.3376



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.



93.7009, 0.3284, 0.3527



96.7224, 0.3310, 0.3566



92.9637, 0.3211, 0.3551



19.9538, 0.3271, 0.3507



41.2433, 0.4332, 0.4943



3.8846, 0.4313, 0.4957



# Inverse Universe

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



77.8823, 0.2965, 0.3041



77.9076, 0.2937, 0.2998



78.6138, 0.3036, 0.3027



16.8528, 0.2979, 0.3063



3.9808, 0.1513, 0.0647

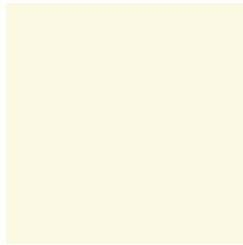


0.4391, 0.1543, 0.0755



# Previews

## White Background



This preview shows how the Yxy color 93.6968, 0.3284, 0.3527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

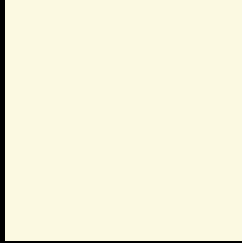
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.6968, 0.3284, 0.3527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

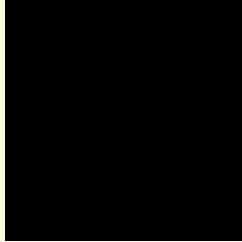
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.6968, 0.3284, 0.3527**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.6968, 0.3284, 0.3527.



This preview shows how white text looks on a background with the Yxy color 93.6968, 0.3284, 0.3527.

# 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

93.6968, 0.3284, 0.3527

### Protanopia

93.5511, 0.3276, 0.3446

### Deuteranopia

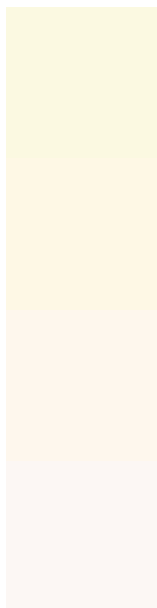
93.7032, 0.3197, 0.3310



## Tritanopia

93.8270, 0.3112, 0.3203

# Trichromacy



## Original Color

93.6968, 0.3284, 0.3527

## Protanomaly

93.8628, 0.3281, 0.3476

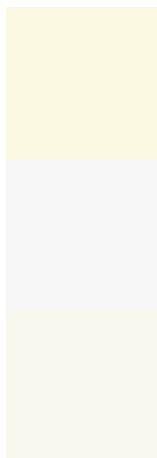
## Deuteranomaly

93.7068, 0.3233, 0.3388

## Tritanomaly

93.7486, 0.3177, 0.3319

# Monochromacy



## Original Color

93.6968, 0.3284, 0.3527

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.3233, 0.3181, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.6968, 0.3284, 0.3527 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(251, 249, 225)` looks like.

```
.text, #text, p{  
    color:rgb(251, 249, 225)  
}
```

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(251, 249, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 249, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 93.6968, 0.3284, 0.3527 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(251, 249, 225) }
```

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

```
.border{ border-color:rgb(251, 249, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 249, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 249, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 249, 225);  
box-shadow:4px 4px 4px 4px rgb(251, 249,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.6968, 0.3284, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 249, 225) }
```

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

```
.background{ background-color: rgb(251,  
249, 225) }
```

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