

# Converting Colors

$Yxy(98.0261, 0.3210, 0.3474)$

Have a look what the booklet for  
Yxy(98.0261, 0.3210, 0.3474)  
contains.

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# **Color**

**Yxy(98.0854, 0.3213, 0.3475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFFEC
RGB	251, 255, 236
RGB Percent	98%, 100%, 93%
CMY	0.0155, 0.0000, 0.0746
CMYK	0.02, 0.00, 0.07, 0.00
HSL	72°, 100%, 96%
HSV	72°, 7%, 100%
XYZ	90.6902, 98.0854, 93.4846
YIQ	251.6380, 3.7150, -6.7570

# Conversions

## Conversions Part 2

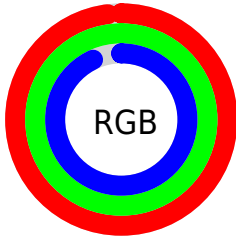
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 255, 240
Decimal	16515052
CIE Lab	99.25, -4.55, 8.63
CIE LCh	99, 9.752, 117.799
Yxy	98.0854, 0.3213, 0.3475
Android (android.graphics.Color)	4294705132 (0xFFFBFFEC)
YUV	251.6380, -7.7095, -0.5595
Hunter-Lab	99.0381, -9.8623, 13.3613

# Details

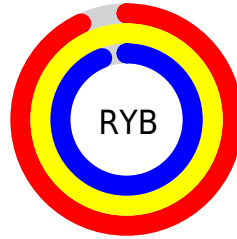
The Yxy color 98.0854, 0.3213, 0.3475 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.7060, 0.3037, 0.3101, and the grayscale version is 97.0964, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.1528, 0.3228, 0.3513 is the 20% darker color. If you saturate the color by 10%, you get 95.7400, 0.3330, 0.3735, and if you desaturate by 10%, it is 99.9989, 0.3127, 0.3290.

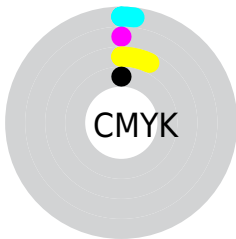
# Distribution



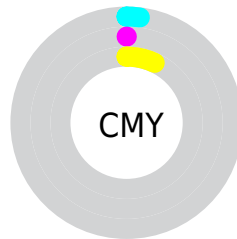
- Red (98%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (94%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 98.0854, 0.3213, 0.3475 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 98.0854, 0.3213, 0.3475 by changing the saturation by 10% instead.




 98.0854, 0.3213,  
0.3475

 98.0854, 0.3213,  
0.3475


553.9961, 0.3176,  
0.3393

 74.7056, 0.3221,  
0.3493


158.5204, 0.3200,  
0.3447

 55.3717, 0.3231,  
0.3515


196.3444, 0.3196,  
0.3436

 39.6994, 0.3243,  
0.3541


239.7519, 0.3191,  
0.3427

 27.3043, 0.3257,  
0.3575

289.1273, 0.3187,  
0.3418

 17.8019, 0.3277,  
0.3620

344.8551, 0.3184,  
0.3411

 10.8078, 0.3303,  
0.3682

407.3195, 0.3181,

 5.9378, 0.3340,

0.3404

0.3771

476.9051, 0.3178,  
0.3399

■ 2.8073, 0.3395,  
0.3913

■ 1.0320, 0.3585,  
0.4287

■ 98.0854, 0.3213,  
0.3475

■ 98.0854, 0.3213,  
0.3475

■ 95.7400, 0.3330,  
0.3735

99.9989, 0.3127,  
0.3290

■ 93.6204, 0.3445,  
0.4002


■ 91.7210, 0.3555,  
0.4271


■ 90.0315, 0.3654,  
0.4530

 88.5402, 0.3737,  
0.4768

 87.2343, 0.3798,  
0.4975

 86.0994, 0.3834,  
0.5141

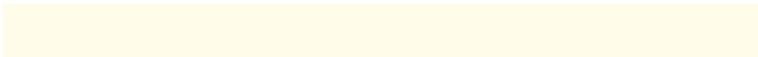
 85.1184, 0.3843,  
0.5260

 84.2693, 0.3828,  
0.5332

# Harmonies

## Analogous

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



98.0854, 0.3297, 0.3461



98.0854, 0.3213, 0.3475



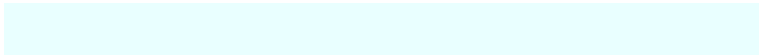
98.0854, 0.3107, 0.3437

# Triad

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



98.0854, 0.3213, 0.3475



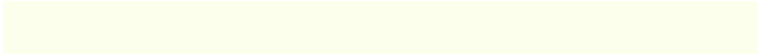
98.0854, 0.2923, 0.3173



98.0854, 0.3247, 0.3223

# Complementary

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



98.0854, 0.3213, 0.3475



85.7060, 0.3037, 0.3101

# Split Complementary

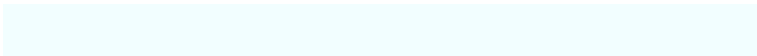
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.0854, 0.3145, 0.3149



98.0854, 0.3213, 0.3475



98.0854, 0.2959, 0.3120

# Square

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



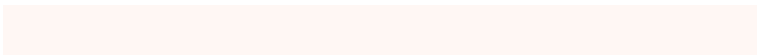
98.0854, 0.3213, 0.3475



98.0854, 0.2940, 0.3260



98.0854, 0.3040, 0.3112



98.0854, 0.3318, 0.3315

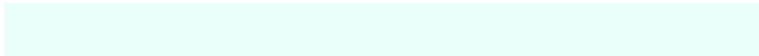


# Rectangle

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



98.0854, 0.3213, 0.3475



98.0854, 0.3038, 0.3387



98.0854, 0.3040, 0.3112



98.0854, 0.3216, 0.3196

# Sweetspot

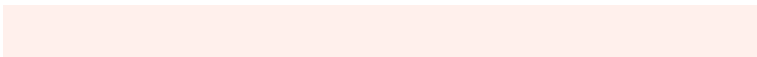
The Sweet Spot groups the original color and five complimentary colors.



98.0897, 0.3213, 0.3475



99.4751, 0.3150, 0.3339



89.5019, 0.3252, 0.3328



21.2973, 0.3149, 0.3336



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.



98.0897, 0.3213, 0.3475



97.7145, 0.3231, 0.3514



96.3936, 0.3154, 0.3478



20.8887, 0.3237, 0.3527



43.9935, 0.3829, 0.5342



4.3291, 0.3872, 0.5307



# Inverse Universe

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



85.7060, 0.3037, 0.3101



82.9359, 0.3018, 0.3060



87.3861, 0.3098, 0.3105



17.5598, 0.3011, 0.3046



4.2197, 0.1604, 0.0657



0.4549, 0.1704, 0.0712



# Previews

## White Background



This preview shows how the Yxy color 98.0854, 0.3213, 0.3475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

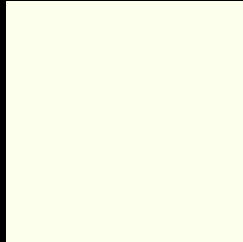
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 98.0854, 0.3213, 0.3475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

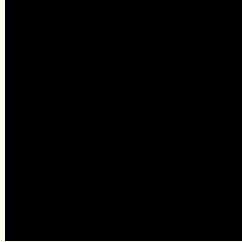
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 98.0854, 0.3213, 0.3475**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.0854, 0.3213, 0.3475.



This preview shows how white text looks on a background with the Yxy color 98.0854, 0.3213, 0.3475.

# 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

98.0854, 0.3213, 0.3475



### Protanopia

98.2879, 0.3169, 0.3338

### Deuteranopia

97.9091, 0.3146, 0.3290

## **Tritanopia**

97.7235, 0.3116, 0.3261

# Trichromacy



**Original Color**

98.0854, 0.3213, 0.3475



**Protanomaly**

98.4861, 0.3185, 0.3386



**Deuteranomaly**

97.9752, 0.3174, 0.3357



**Tritanomaly**

97.7233, 0.3150, 0.3338

# Monochromacy



**Original Color**

98.0854, 0.3213, 0.3475



**Achromatopsia**

97.3445, 0.3127, 0.3290



**Achromatomaly**

97.5998, 0.3162, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  98.0854, 0.3213, 0.3475 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, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 236)  
}
```

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, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 98.0854, 0.3213, 0.3475 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, 255, 236) }
```

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

```
.border{ border-color:rgb(251, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 98.0854, 0.3213, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 236) }
```

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

```
.background{ background-color: rgb(251,  
255, 236) }
```

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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