

# Converting Colors

$Yxy(93.3632, 0.3185, 0.3479)$

Have a look what the booklet for  
Yxy(93.3632, 0.3185, 0.3479)  
contains.

<b>Yxy(93.0747, 0.3182, 0.3470)</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(93.0747, 0.3182, 0.3470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FAE8
RGB	242, 250, 232
RGB Percent	95%, 98%, 91%
CMY	0.0513, 0.0195, 0.0902
CMYK	0.03, 0.00, 0.07, 0.02
HSL	87°, 64%, 95%
HSV	87°, 7%, 98%
XYZ	85.3498, 93.0747, 89.8023
YIQ	245.5560, 1.0100, -7.2940

# Conversions

## Conversions Part 2

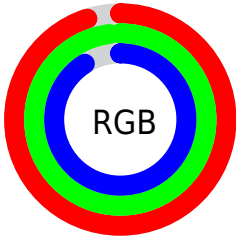
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 250, 240
Decimal	15923944
CIE <sub>Lab</sub>	97.26, -5.80, 7.71
CIE <sub>LCh</sub>	97, 9.649, 126.936
Y <sub>xy</sub>	93.0747, 0.3182, 0.3470
Android (android.graphics.Color)	4294114024 (0xFFFF2FAE8)
Y <sub>UV</sub>	245.5560, -6.6831, -3.1186
Hunter-Lab	96.4752, -10.9162, 12.3436

# Details

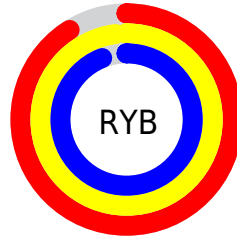
The Yxy color 93.0747, 0.3182, 0.3470 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 83.1523, 0.3069, 0.3109, and the grayscale version is 91.8303, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.1573, 0.3197, 0.3520 is the 20% darker color. If you saturate the color by 10%, you get 89.8327, 0.3258, 0.3737, and if you desaturate by 10%, it is 96.5197, 0.3118, 0.3242.

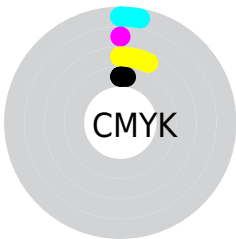
# Distribution



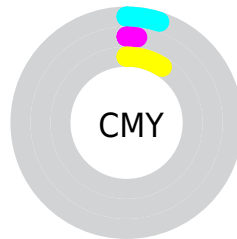
- Red (95%)
- Green (98%)
- Blue (91%)



- Red (91%)
- Yellow (98%)
- Blue (94%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)




- Cyan (5%)
- Magenta (2%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.0747, 0.3182, 0.3470 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 93.0747, 0.3182, 0.3470 by changing the saturation by 10% instead.




 93.0747, 0.3182,  
0.3470

 93.0747, 0.3182,  
0.3470

537.9828, 0.3158,  
0.3390

 70.5336, 0.3187,  
0.3488


151.6020, 0.3174,  
0.3443

 51.9617, 0.3193,  
0.3509


188.3570, 0.3171,  
0.3432

 36.9745, 0.3201,  
0.3536

230.6188, 0.3168,  
0.3422

 25.1878, 0.3211,  
0.3571

278.7717, 0.3166,  
0.3414

 16.2170, 0.3223,  
0.3617

333.2002, 0.3163,  
0.3407

 9.6778, 0.3240,  
0.3680

394.2886, 0.3161,

 5.1859, 0.3263,

0.3401

0.3775

462.4213, 0.3160,  
0.3395

■ 2.3567, 0.3299,  
0.3928

■ 0.8035, 0.3532,  
0.4562

■ 93.0747, 0.3182,  
0.3470

■ 93.0747, 0.3182,  
0.3470

■ 89.8327, 0.3258,  
0.3737

■ 96.5197, 0.3118,  
0.3242

■ 86.9000, 0.3331,  
0.4021

■ 96.8681, 0.3129,  
0.3243

■ 84.2694, 0.3398,  
0.4315

■ 81.9287, 0.3454,  
0.4610

■ 79.8648, 0.3495,  
0.4893

■ 78.0634, 0.3516,  
0.5149

■ 76.5084, 0.3514,  
0.5365

■ 75.1813, 0.3488,  
0.5529

■ 74.0589, 0.3441,  
0.5637

# Harmonies

## Analogous

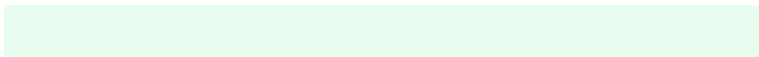
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0747, 0.3277, 0.3472



93.0747, 0.3182, 0.3470



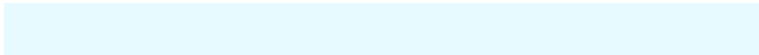
93.0747, 0.3074, 0.3417

# Triad

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



93.0747, 0.3182, 0.3470



93.0747, 0.2927, 0.3152



93.0747, 0.3274, 0.3250

# Complementary

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



93.0747, 0.3182, 0.3470



83.1523, 0.3069, 0.3109

# Split Complementary

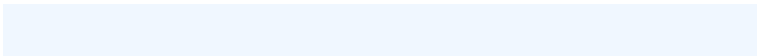
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.0747, 0.3178, 0.3168



93.0747, 0.3182, 0.3470



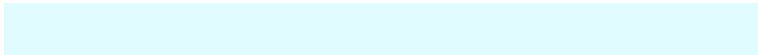
93.0747, 0.2978, 0.3111

# Square

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



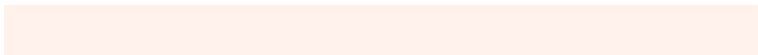
93.0747, 0.3182, 0.3470



93.0747, 0.2928, 0.3231



93.0747, 0.3070, 0.3117

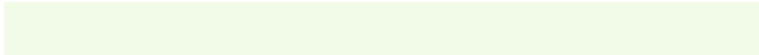


93.0747, 0.3331, 0.3343

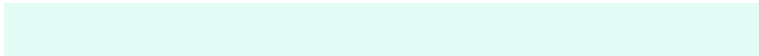


# Rectangle

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



93.0747, 0.3182, 0.3470



93.0747, 0.3009, 0.3361



93.0747, 0.3070, 0.3117



93.0747, 0.3246, 0.3220

# Sweetspot

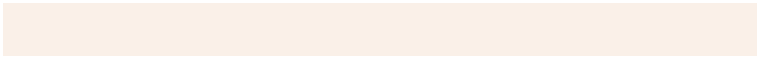
The Sweet Spot groups the original color and five complimentary colors.



93.0787, 0.3182, 0.3470



99.2442, 0.3142, 0.3339



88.3609, 0.3244, 0.3368



21.2503, 0.3142, 0.3336



0.0000, 0.0000, 0.0000

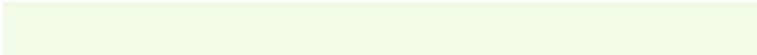


21.4041, 0.3127, 0.3290



# Same Dimension

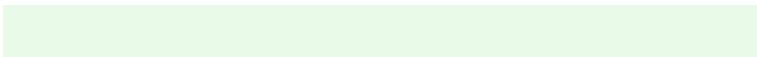
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0787, 0.3182, 0.3470



96.7072, 0.3196, 0.3517



91.5699, 0.3126, 0.3473



19.7807, 0.3199, 0.3529



39.2089, 0.3437, 0.5653



3.6944, 0.3523, 0.5585



# Inverse Universe

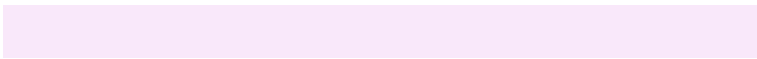
The Inverse Universe completely reimagines the original color for something new.



83.1523, 0.3069, 0.3109



83.9010, 0.3054, 0.3063



84.7193, 0.3127, 0.3113



17.0244, 0.3050, 0.3050



5.5787, 0.1926, 0.0835

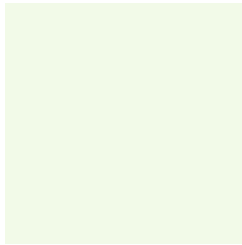


0.5786, 0.2058, 0.0907



# Previews

## White Background



This preview shows how the Yxy color 93.0747, 0.3182, 0.3470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

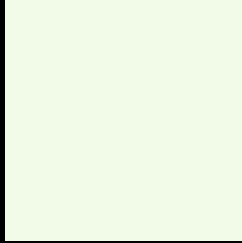
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.0747, 0.3182, 0.3470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

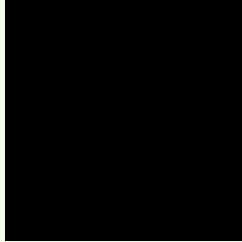
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

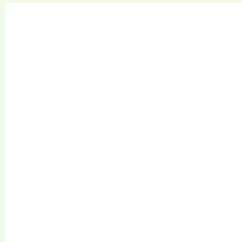
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.0747, 0.3182, 0.3470**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.0747, 0.3182, 0.3470.

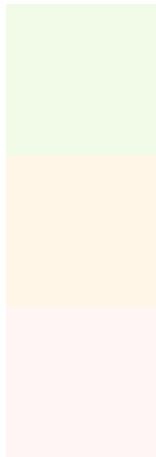


This preview shows how white text looks on a background with the Yxy color 93.0747, 0.3182, 0.3470.

# 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

93.0747, 0.3182, 0.3470

### Protanopia

92.9411, 0.3277, 0.3437

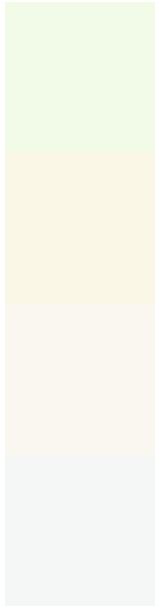
### Deuteranopia

93.0965, 0.3198, 0.3300

## **Tritanopia**

92.9057, 0.3080, 0.3203

# Trichromacy



## Original Color

93.0747, 0.3182, 0.3470

## Protanomaly

92.6150, 0.3243, 0.3448

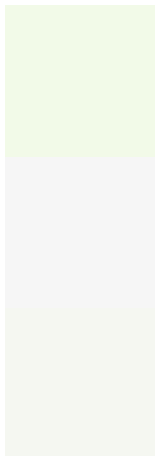
## Deuteranomaly

93.1368, 0.3188, 0.3359

## Tritanomaly

92.6494, 0.3114, 0.3290

# Monochromacy



## Original Color

93.0747, 0.3182, 0.3470

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.2849, 0.3150, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.0747, 0.3182, 0.3470 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(242, 250, 232)` looks like.

```
.text, #text, p{  
    color:rgb(242, 250, 232)  
}
```

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(242, 250, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 250, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 93.0747, 0.3182, 0.3470 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(242, 250, 232) }
```

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

```
.border{ border-color:rgb(242, 250, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 250, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 250, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 250, 232);  
box-shadow:4px 4px 4px 4px rgb(242, 250,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.0747, 0.3182, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 250, 232) }
```

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

```
.background{ background-color: rgb(242,  
250, 232) }
```

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