

# Converting Colors

$Yxy(92.0005, 0.3185, 0.3389)$

Have a look what the booklet for  
Yxy(92.0005, 0.3185, 0.3389)  
contains.

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# Color

**Yxy(92.2288, 0.3180, 0.3389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F7ED
RGB	246, 247, 237
RGB Percent	96%, 97%, 93%
CMY	0.0355, 0.0313, 0.0705
CMYK	0.00, 0.00, 0.04, 0.03
HSL	66°, 39%, 95%
HSV	66°, 4%, 97%
XYZ	86.5410, 92.2288, 93.3718
YIQ	245.5610, 2.6140, -3.3220

# Conversions

## Conversions Part 2

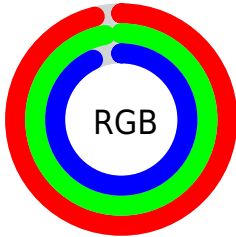
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 247, 238
Decimal	16185325
CIE Lab	96.91, -2.08, 4.67
CIE LCh	97, 5.110, 114.035
Yxy	92.2288, 0.3180, 0.3389
Android (android.graphics.Color)	4294375405 (0xFFFF6F7ED)
YUV	245.5610, -4.2206, 0.3850
Hunter-Lab	96.0358, -7.2105, 9.5798

# Details

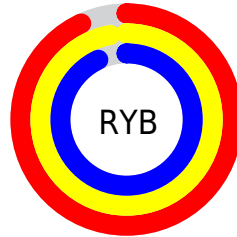
The Yxy color 92.2288, 0.3180, 0.3389 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.4857, 0.3073, 0.3189, and the grayscale version is 91.8169, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.5449, 0.3195, 0.3416 is the 20% darker color. If you saturate the color by 10%, you get 90.4125, 0.3313, 0.3642, and if you desaturate by 10%, it is 93.8185, 0.3090, 0.3213.

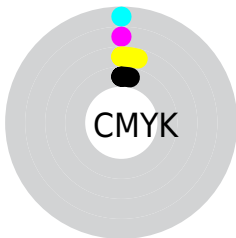
# Distribution



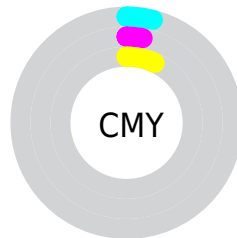
- Red (96%)
- Green (97%)
- Blue (93%)



- Red (93%)
- Yellow (97%)
- Blue (93%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (4%)
- Magenta (3%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.2288, 0.3180, 0.3389 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 92.2288, 0.3180, 0.3389 by changing the saturation by 10% instead.




 92.2288, 0.3180,  
0.3389

 92.2288, 0.3180,  
0.3389


535.2547, 0.3157,  
0.3345

 69.8307, 0.3185,  
0.3399

150.4305, 0.3172,  
0.3374

 51.3885, 0.3191,  
0.3410


187.0028, 0.3169,  
0.3368

 36.5179, 0.3199,  
0.3425


229.0687, 0.3166,  
0.3363

 24.8344, 0.3209,  
0.3444

277.0124, 0.3164,  
0.3359

 15.9538, 0.3221,  
0.3469

331.2185, 0.3162,  
0.3355

 9.4914, 0.3239,  
0.3503

392.0714, 0.3160,

 5.0631, 0.3265,

0.3351

459.9553, 0.3158,  
0.3348

0.3553

■ 2.2843, 0.3305,  
0.3635

■ 0.7654, 0.3472,  
0.3927

■ 92.2288, 0.3180,  
0.3389

■ 90.4125, 0.3313,  
0.3642

■ 88.7899, 0.3447,  
0.3901

■ 87.3562, 0.3578,  
0.4160

■ 86.1021, 0.3700,  
0.4409

■ 92.2288, 0.3180,  
0.3389

■ 93.8185, 0.3090,  
0.3213

■ 94.3063, 0.3107,  
0.3213

■ 94.8010, 0.3124,  
0.3214

■ 95.0137, 0.3131,  
0.3214

■ 85.0175, 0.3807,  
0.4638

■ 84.0911, 0.3895,  
0.4836

■ 83.3104, 0.3958,  
0.4995

■ 82.6608, 0.3995,  
0.5109

■ 82.1244, 0.4006,  
0.5178

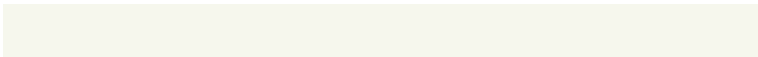
# Harmonies

## Analogous

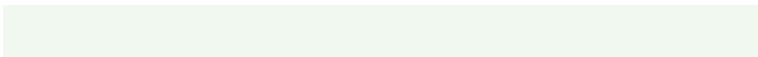
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.2288, 0.3222, 0.3379



92.2288, 0.3180, 0.3389



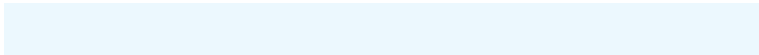
92.2288, 0.3124, 0.3372

# Triad

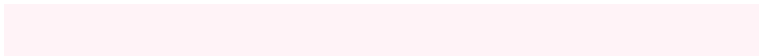
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.2288, 0.3180, 0.3389



92.2288, 0.3017, 0.3233



92.2288, 0.3185, 0.3249

# Complementary

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



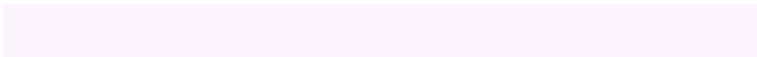
92.2288, 0.3180, 0.3389



85.4857, 0.3073, 0.3189

# Split Complementary

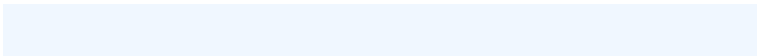
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.2288, 0.3130, 0.3210



92.2288, 0.3180, 0.3389



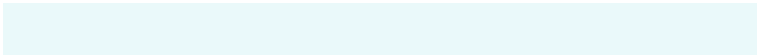
92.2288, 0.3033, 0.3201

# Square

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



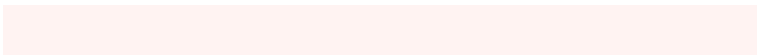
92.2288, 0.3180, 0.3389



92.2288, 0.3030, 0.3281



92.2288, 0.3074, 0.3193



92.2288, 0.3225, 0.3298

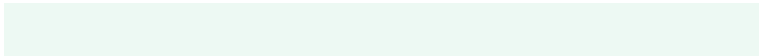


# Rectangle

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



92.2288, 0.3180, 0.3389



92.2288, 0.3086, 0.3347



92.2288, 0.3074, 0.3193



92.2288, 0.3168, 0.3234

# Sweetspot

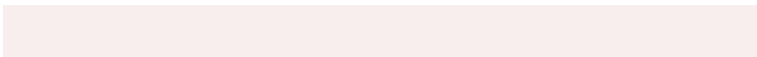
The Sweet Spot groups the original color and five complimentary colors.



92.2328, 0.3180, 0.3389



99.7852, 0.3140, 0.3314



87.0513, 0.3193, 0.3300



21.3604, 0.3140, 0.3313



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.



92.2328, 0.3180, 0.3389



98.9481, 0.3193, 0.3413



91.3528, 0.3148, 0.3390



19.3661, 0.3202, 0.3430



43.3142, 0.4006, 0.5201



3.8322, 0.4031, 0.5181



# Inverse Universe

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



85.4857, 0.3073, 0.3189



90.0372, 0.3060, 0.3165



86.3517, 0.3105, 0.3191



17.3915, 0.3050, 0.3147



3.6993, 0.1537, 0.0620

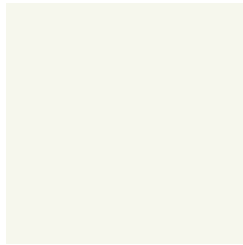


0.3526, 0.1613, 0.0662



# Previews

## White Background



This preview shows how the Yxy color 92.2288, 0.3180, 0.3389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

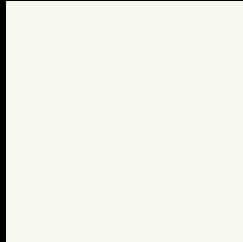
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.2288, 0.3180, 0.3389 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

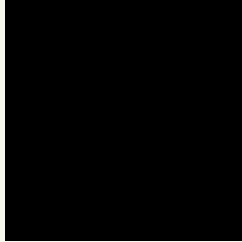
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

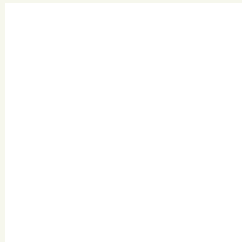
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.2288, 0.3180, 0.3389**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.2288, 0.3180, 0.3389.

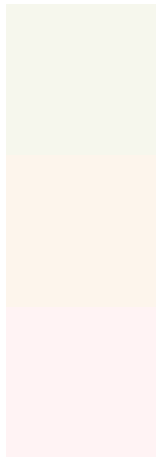


This preview shows how white text looks on a background with the Yxy color 92.2288, 0.3180, 0.3389.

# 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

92.2288, 0.3180, 0.3389

### Protanopia

92.2436, 0.3234, 0.3378

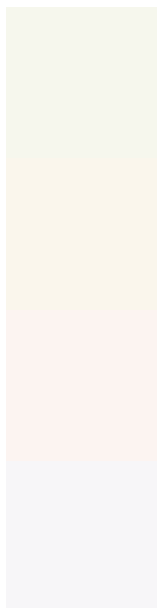
### Deuteranopia

91.8928, 0.3199, 0.3281

## Tritanopia

92.4813, 0.3087, 0.3193

# Trichromacy



## Original Color

92.2288, 0.3180, 0.3389

## Protanomaly

92.2917, 0.3213, 0.3388

## Deuteranomaly

91.7477, 0.3197, 0.3319

## Tritanomaly

92.4630, 0.3122, 0.3270

# Monochromacy



## Original Color

92.2288, 0.3180, 0.3389

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

91.9754, 0.3145, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.2288, 0.3180, 0.3389 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(246, 247, 237)` looks like.

```
.text, #text, p{  
    color:rgb(246, 247, 237)  
}
```

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(246, 247, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 247, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 92.2288, 0.3180, 0.3389 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(246, 247, 237) }
```

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

```
.border{ border-color:rgb(246, 247, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 247, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 247, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 247, 237);  
box-shadow:4px 4px 4px 4px rgb(246, 247,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.2288, 0.3180, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 247, 237) }
```

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

```
.background{ background-color: rgb(246,  
247, 237) }
```

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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