

# Converting Colors

$Yxy(91.7935, 0.3088, 0.3307)$

Have a look what the booklet for  
Yxy(91.7935, 0.3088, 0.3307)  
contains.

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# Color

**Yxy(91.7006, 0.3089, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F7F6
RGB	240, 247, 246
RGB Percent	94%, 97%, 96%
CMY	0.0587, 0.0314, 0.0354
CMYK	0.03, 0.00, 0.00, 0.03
HSL	171°, 30%, 95%
HSV	171°, 3%, 97%
XYZ	85.8373, 91.7006, 100.3427
YIQ	244.7930, -3.8510, -1.7950

# Conversions

## Conversions Part 2

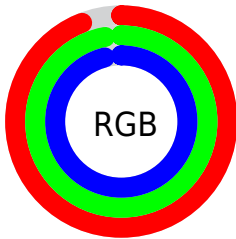
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	240, 244, 247
Decimal	15792118
CIE Lab	96.70, -2.47, -0.32
CIE LCh	97, 2.488, 187.422
Yxy	91.7006, 0.3089, 0.3300
Android (android.graphics.Color)	4293982198 (0xFFFF0F7F6)
YUV	244.7930, 0.5951, -4.2035
Hunter-Lab	95.7604, -7.5777, 4.9052

# Details

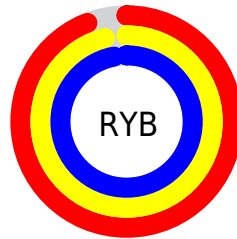
The Yxy color 91.7006, 0.3089, 0.3300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4733, 0.3167, 0.3280, and the grayscale version is 91.1391, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.1697, 0.3078, 0.3303 is the 20% darker color. If you saturate the color by 10%, you get 87.4500, 0.2957, 0.3338, and if you desaturate by 10%, it is 94.6570, 0.3163, 0.3265.

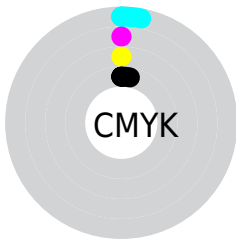
# Distribution



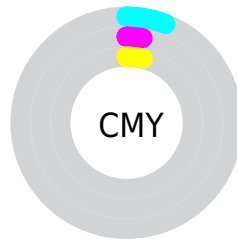
- Red (94%)
- Green (97%)
- Blue (96%)



- Red (94%)
- Yellow (96%)
- Blue (97%)



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



- Cyan (6%)
- Magenta (3%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.7006, 0.3089, 0.3300 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 91.7006, 0.3089, 0.3300 by changing the saturation by 10% instead.




 91.7006, 0.3089,  
0.3300

 91.7006, 0.3089,  
0.3300


533.5474, 0.3106,  
0.3296

 69.3920, 0.3085,  
0.3301

149.6984, 0.3095,  
0.3299

 51.0310, 0.3081,  
0.3302

186.1563, 0.3097,  
0.3298

 36.2333, 0.3075,  
0.3304


228.0995, 0.3099,  
0.3297

 24.6144, 0.3068,  
0.3305

275.9122, 0.3101,  
0.3297

 15.7900, 0.3059,  
0.3308

329.9790, 0.3102,  
0.3297

 9.3757, 0.3046,  
0.3311

390.6842, 0.3104,

 4.9870, 0.3026,

0.3296

0.3316

458.4122, 0.3105,  
0.3296

■ 2.2397, 0.2996,  
0.3323

■ 0.7415, 0.2909,  
0.3346

■ 91.7006, 0.3089,  
0.3300

■ 91.7006, 0.3089,  
0.3300

■ 87.4500, 0.2957,  
0.3338

■ 94.6570, 0.3163,  
0.3265

■ 83.7647, 0.2832,  
0.3379

■ 94.8866, 0.3141,  
0.3230

■ 80.6233, 0.2717,  
0.3424

■ 94.9996, 0.3131,  
0.3214

■ 77.9987, 0.2616,  
0.3472

■ 75.8613, 0.2531,  
0.3522

■ 74.1789, 0.2463,  
0.3573

■ 72.9148, 0.2416,  
0.3626

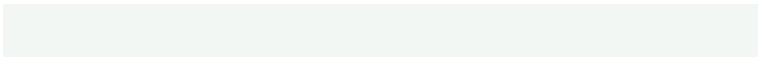
■ 72.0271, 0.2387,  
0.3678

■ 71.4648, 0.2378,  
0.3731

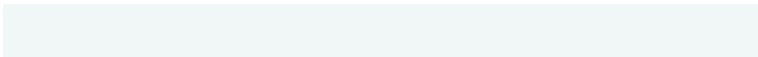
# Harmonies

## Analogous

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



91.7006, 0.3113, 0.3322



91.7006, 0.3089, 0.3300



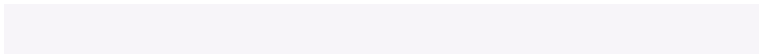
91.7006, 0.3075, 0.3275

# Triad

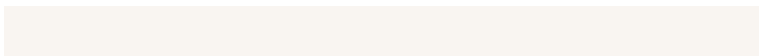
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.7006, 0.3089, 0.3300



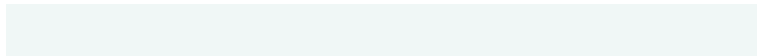
91.7006, 0.3113, 0.3245



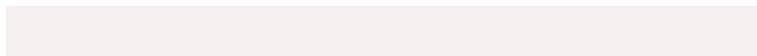
91.7006, 0.3180, 0.3326

# Complementary

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



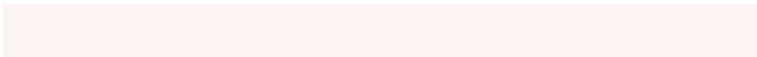
91.7006, 0.3089, 0.3300



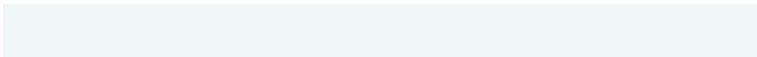
88.4733, 0.3167, 0.3280

# Split Complementary

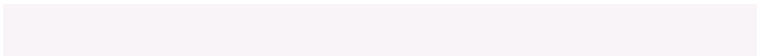
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.7006, 0.3180, 0.3305



91.7006, 0.3089, 0.3300



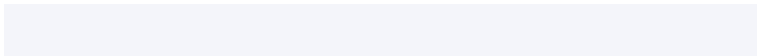
91.7006, 0.3141, 0.3258

# Square

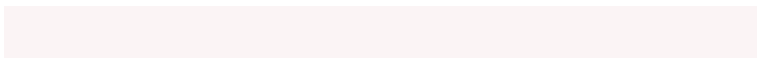
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.7006, 0.3089, 0.3300



91.7006, 0.3089, 0.3243



91.7006, 0.3166, 0.3280

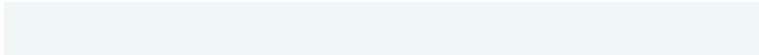


91.7006, 0.3166, 0.3337



# Rectangle

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



91.7006, 0.3089, 0.3300



91.7006, 0.3073, 0.3260



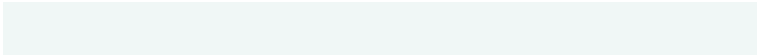
91.7006, 0.3166, 0.3280



91.7006, 0.3181, 0.3320

# Sweetspot

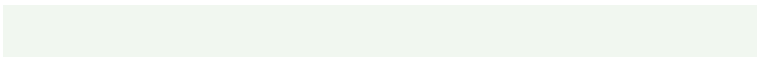
The Sweet Spot groups the original color and five complimentary colors.



91.7045, 0.3089, 0.3300



99.4954, 0.3114, 0.3294



91.5292, 0.3131, 0.3359



21.3014, 0.3114, 0.3293



0.0000, 0.0000, 0.0000

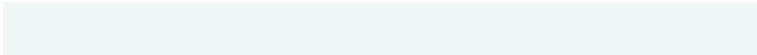


21.4041, 0.3127, 0.3290



# Same Dimension

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



91.7045, 0.3089, 0.3300



98.5056, 0.3086, 0.3301



90.2884, 0.3084, 0.3266



19.2316, 0.3076, 0.3304



37.6767, 0.2378, 0.3759

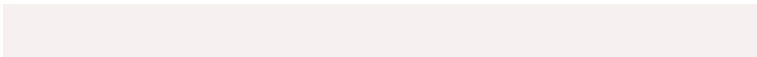


3.3226, 0.2359, 0.3694

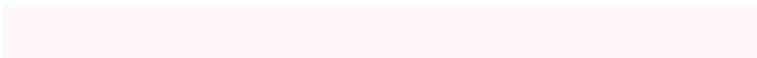


# Inverse Universe

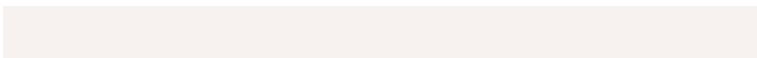
The Inverse Universe completely reimagines the original color for something new.



88.4733, 0.3167, 0.3280



94.8026, 0.3169, 0.3279



89.8555, 0.3171, 0.3314



18.3205, 0.3181, 0.3276



10.5387, 0.6201, 0.3190

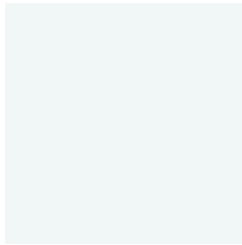


0.9380, 0.5903, 0.3026



# Previews

## White Background



This preview shows how the Yxy color 91.7006, 0.3089, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

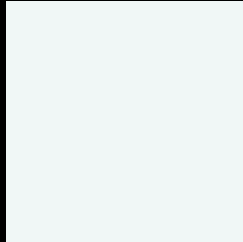
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.7006, 0.3089, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

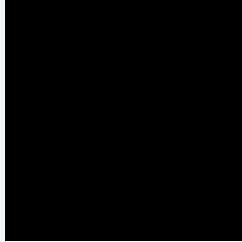
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

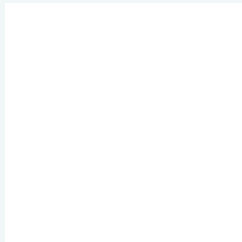
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.7006, 0.3089, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.7006, 0.3089, 0.3300.

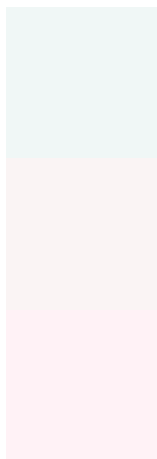


This preview shows how white text looks on a background with the Yxy color 91.7006, 0.3089, 0.3300.

# 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

91.7006, 0.3089, 0.3300

### Protanopia

91.5570, 0.3166, 0.3290

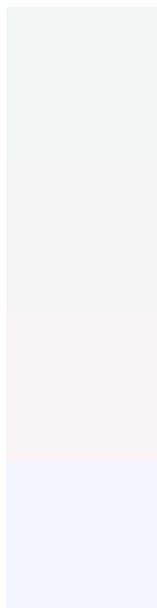
### Deuteranopia

91.4181, 0.3188, 0.3252

## **Tritanopia**

91.7579, 0.3062, 0.3192

# Trichromacy



## Original Color

91.7006, 0.3089, 0.3300

## Protanomaly

91.4902, 0.3134, 0.3290

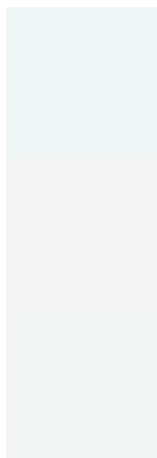
## Deuteranomaly

91.6792, 0.3154, 0.3271

## Tritanomaly

91.9945, 0.3073, 0.3231

# Monochromacy



## Original Color

91.7006, 0.3089, 0.3300

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.5588, 0.3114, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.7006, 0.3089, 0.3300 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(240, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(240, 247, 246)  
}
```

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(240, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 247, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 91.7006, 0.3089, 0.3300 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(240, 247, 246) }
```

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

```
.border{ border-color:rgb(240, 247, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 247, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(240, 247,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.7006, 0.3089, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 247, 246) }
```

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

```
.background{ background-color: rgb(240,  
247, 246) }
```

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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