

# Converting Colors

$Y_{xy}(91.2519, 0.3114, 0.3315)$

Have a look what the booklet for  
Yxy(91.2519, 0.3114, 0.3315)  
contains.

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# Color

**Yxy(91.3204, 0.3113, 0.3310)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2F6F4
RGB	242, 246, 244
RGB Percent	95%, 96%, 96%
CMY	0.0512, 0.0352, 0.0431
CMYK	0.02, 0.00, 0.01, 0.04
HSL	150°, 19%, 96%
HSV	150°, 2%, 96%
XYZ	85.8853, 91.3204, 98.6867
YIQ	244.5760, -1.7420, -1.4700

# Conversions

## Conversions Part 2

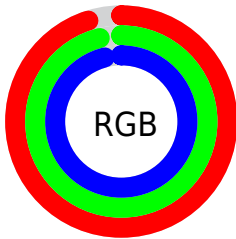
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 245, 246
Decimal	15922932
CIE Lab	96.54, -1.70, 0.49
CIE LCh	97, 1.773, 164.082
Yxy	91.3204, 0.3113, 0.3310
Android (android.graphics.Color)	4294113012 (0xFF2F6F4)
YUV	244.5760, -0.2840, -2.2592
Hunter-Lab	95.5617, -6.8075, 5.6643

# Details

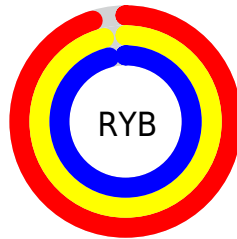
The Yxy color 91.3204, 0.3113, 0.3310 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.5914, 0.3142, 0.3270, and the grayscale version is 90.9509, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.8969, 0.3110, 0.3315 is the 20% darker color. If you saturate the color by 10%, you get 86.5458, 0.3029, 0.3439, and if you desaturate by 10%, it is 94.4072, 0.3131, 0.3204.

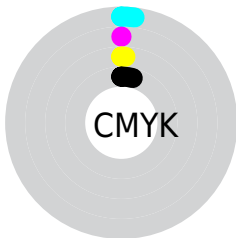
# Distribution



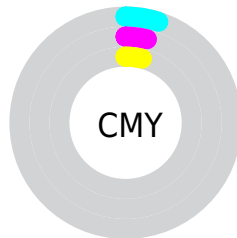
- Red (95%)
- Green (96%)
- Blue (96%)



- Red (95%)
- Yellow (96%)
- Blue (96%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)




- Cyan (5%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.3204, 0.3113, 0.3310 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 91.3204, 0.3113, 0.3310 by changing the saturation by 10% instead.



 91.3204, 0.3113,  
0.3310

 91.3204, 0.3113,  
0.3310

532.3168, 0.3119,  
0.3301

 69.0763, 0.3112,  
0.3312

149.1711, 0.3115,  
0.3307

 50.7739, 0.3110,  
0.3314


185.5466, 0.3116,  
0.3306

 36.0287, 0.3108,  
0.3317


227.4012, 0.3117,  
0.3305

 24.4563, 0.3105,  
0.3321


275.1195, 0.3117,  
0.3304

 15.6725, 0.3102,  
0.3326

329.0858, 0.3118,  
0.3303

 9.2927, 0.3097,  
0.3333

389.6845, 0.3118,

 4.9326, 0.3089,

0.3302

457.3000, 0.3119,  
0.3302

0.3343

■ 2.2078, 0.3078,  
0.3359

■ 0.7242, 0.3043,  
0.3407

■ 91.3204, 0.3113,  
0.3310

■ 91.3204, 0.3113,  
0.3310

■ 86.5458, 0.3029,  
0.3439

■ 94.4072, 0.3131,  
0.3204

■ 82.3775, 0.2947,  
0.3583

■ 78.7937, 0.2871,  
0.3741

■ 75.7669, 0.2803,  
0.3914

■ 73.2671, 0.2747,  
0.4098

■ 71.2615, 0.2707,  
0.4290

■ 69.7135, 0.2684,  
0.4487

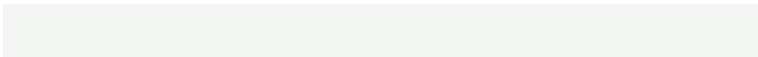
■ 68.5811, 0.2682,  
0.4682

■ 67.8138, 0.2700,  
0.4871

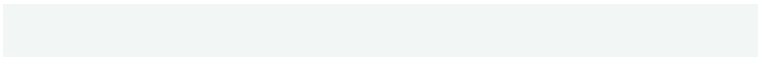
# Harmonies

## Analogous

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



91.3204, 0.3133, 0.3321



91.3204, 0.3113, 0.3310



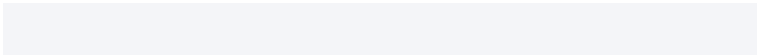
91.3204, 0.3097, 0.3293

# Triad

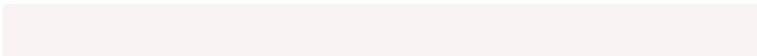
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.3204, 0.3113, 0.3310



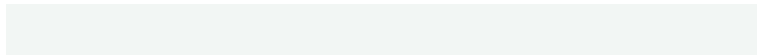
91.3204, 0.3103, 0.3256



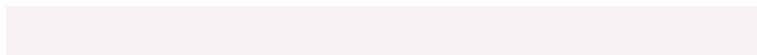
91.3204, 0.3166, 0.3305

# Complementary

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



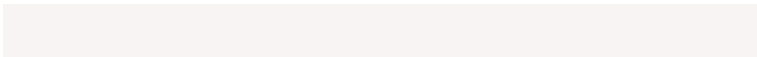
91.3204, 0.3113, 0.3310



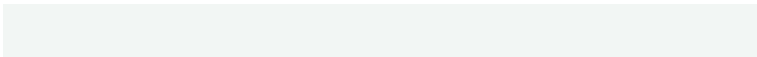
89.5914, 0.3142, 0.3270

# Split Complementary

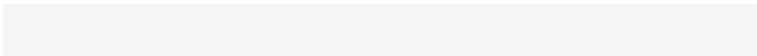
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.3204, 0.3158, 0.3287



91.3204, 0.3113, 0.3310



91.3204, 0.3122, 0.3259

# Square

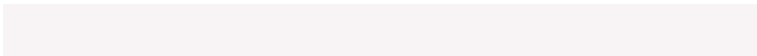
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



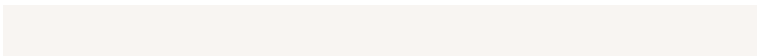
91.3204, 0.3113, 0.3310



91.3204, 0.3091, 0.3262



91.3204, 0.3141, 0.3271

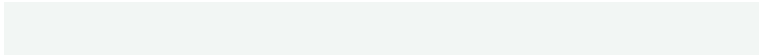


91.3204, 0.3163, 0.3318



# Rectangle

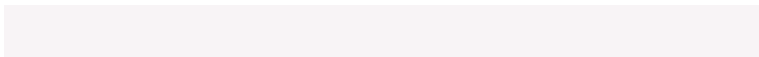
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



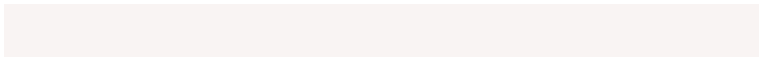
91.3204, 0.3113, 0.3310



91.3204, 0.3091, 0.3281



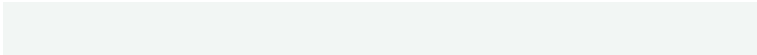
91.3204, 0.3141, 0.3271



91.3204, 0.3164, 0.3299

# Sweetspot

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



91.3243, 0.3113, 0.3310

100.0000, 0.3127, 0.3290



91.5634, 0.3138, 0.3331



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



91.3243, 0.3113, 0.3310



98.8840, 0.3110, 0.3314



91.4480, 0.3101, 0.3290



19.3922, 0.3111, 0.3313



35.9894, 0.2720, 0.4991

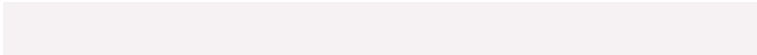


3.1839, 0.2657, 0.4764



# Inverse Universe

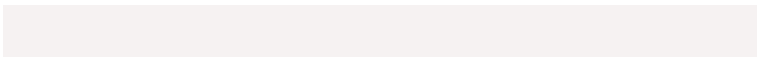
The Inverse Universe completely reimagines the original color for something new.



89.5914, 0.3142, 0.3270



96.6243, 0.3145, 0.3266



89.4690, 0.3154, 0.3290



18.9727, 0.3144, 0.3267



11.2330, 0.4982, 0.2518

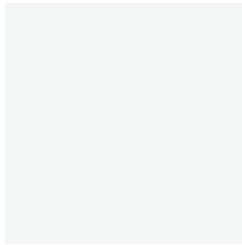


1.0080, 0.4700, 0.2363



# Previews

## White Background



This preview shows how the Yxy color 91.3204, 0.3113, 0.3310 looks on a white background.

## Color Contrast Check

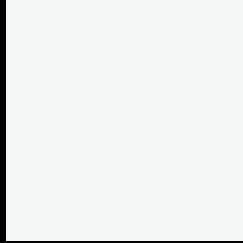
Large Text (above 18pt) WCAG AA × Fail

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 91.3204, 0.3113, 0.3310 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

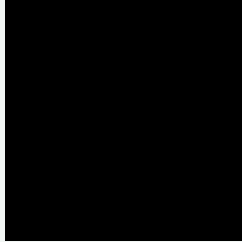
Any Text WCAG AAA ✓ Pass

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

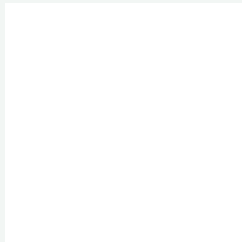


**Yxy 91.3204, 0.3113, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.3204, 0.3113, 0.3310.

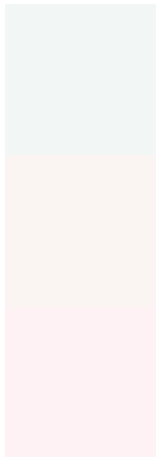


This preview shows how white text looks on a background with the Yxy color 91.3204, 0.3113, 0.3310.

# 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

91.3204, 0.3113, 0.3310

### Protanopia

91.4964, 0.3172, 0.3300

### Deuteranopia

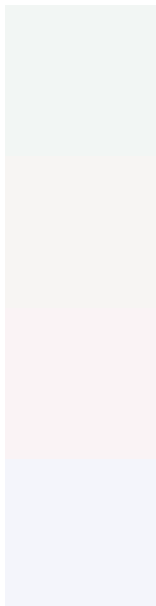
91.3568, 0.3194, 0.3261



## Tritanopia

91.3338, 0.3068, 0.3183

# Trichromacy



## Original Color

91.3204, 0.3113, 0.3310

## Protanomaly

91.5500, 0.3152, 0.3310

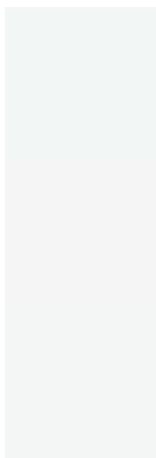
## Deuteranomaly

91.0177, 0.3161, 0.3271

## Tritanomaly

91.5029, 0.3085, 0.3231

# Monochromacy



## Original Color

91.3204, 0.3113, 0.3310

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.1305, 0.3121, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.3204, 0.3113, 0.3310 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, 246, 244)` looks like.

```
.text, #text, p{  
    color:rgb(242, 246, 244)  
}
```

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, 246, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 246, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 91.3204, 0.3113, 0.3310 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, 246, 244) }
```

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

```
.border{ border-color:rgb(242, 246, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 246, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 246, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 246, 244);  
box-shadow:4px 4px 4px 4px rgb(242, 246,  
244) }
```

# Background

The CSS property to change the background color of an element to Yxy 91.3204, 0.3113, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 246, 244) }
```

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

```
.background{ background-color: rgb(242,  
246, 244) }
```

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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