

# Converting Colors

$Y_{xy}(91.8750, 0.3113, 0.3287)$

Have a look what the booklet for  
Yxy(91.8750, 0.3113, 0.3287)  
contains.

<b>Yxy(91.7985, 0.3114, 0.3290)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Yxy(91.7985, 0.3114, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F6F6
RGB	244, 246, 246
RGB Percent	96%, 96%, 96%
CMY	0.0433, 0.0352, 0.0352
CMYK	0.01, 0.00, 0.00, 0.04
HSL	180°, 10%, 96%
HSV	180°, 1%, 96%
XYZ	86.8877, 91.7985, 100.3366
YIQ	245.4020, -1.1920, -0.4240

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">244, 245, 246</a>
Decimal	<a href="#">16054006</a>
CIELab	<a href="#">96.74, -0.68, -0.25</a>
CIELCh	<a href="#">97, 0.721, 200.153</a>
Yxy	<a href="#">91.7985, 0.3114, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4294244086</a> ( <a href="#">0xFFFF4F6F6</a> )
YUV	<a href="#">245.4020, 0.2948, -1.2296</a>
Hunter-Lab	<a href="#">95.8115, -5.7956, 4.9779</a>

# Details

The Yxy color **91.7985, 0.3114, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.7995, 0.3140, 0.3290**, and the grayscale version is **91.6476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.2360, 0.3111, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **87.6875, 0.2961, 0.3290**, and if you desaturate by 10%, it is **93.8423, 0.3185, 0.3289**.

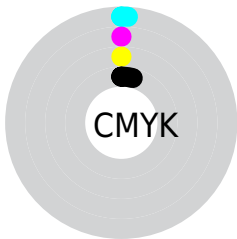
# Distribution



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



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.7985, 0.3114, 0.3290 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 91.7985, 0.3114, 0.3290 by changing the saturation by 10% instead.



 91.7985, 0.3114,  
0.3290

 91.7985, 0.3114,  
0.3290


533.8641, 0.3120,  
0.3290

 69.4733, 0.3113,  
0.3290


149.8341, 0.3116,  
0.3290

 51.0972, 0.3111,  
0.3290


186.3132, 0.3117,  
0.3290

 36.2860, 0.3109,  
0.3290


228.2792, 0.3117,  
0.3290

 24.6552, 0.3107,  
0.3290

276.1163, 0.3118,  
0.3290

 15.8203, 0.3103,  
0.3290

330.2089, 0.3119,  
0.3290

 9.3971, 0.3099,  
0.3290

390.9415, 0.3119,

 5.0011, 0.3092,

0.3290

458.6984, 0.3120,  
0.3290

0.3290

■ 2.2479, 0.3082,  
0.3289

■ 0.7459, 0.3053,  
0.3289

■ 91.7985, 0.3114,  
0.3290

■ 91.7985, 0.3114,  
0.3290

■ 87.6875, 0.2961,  
0.3290

■ 93.8423, 0.3185,  
0.3289

■ 84.1368, 0.2817,  
0.3291


■ 93.8471, 0.3184,  
0.3289


■ 81.1258, 0.2685,  
0.3291

■ 93.8519, 0.3184,  
0.3288

■ 78.6279, 0.2568,  
0.3292


■ 93.8567, 0.3183,  
0.3287


 76.6145, 0.2468,  
0.3293


 93.8615, 0.3183,  
0.3286


 75.0542, 0.2387,  
0.3294


 93.8663, 0.3182,  
0.3286

 73.9118, 0.2325,  
0.3294

 93.8711, 0.3182,  
0.3285

 73.1469, 0.2283,  
0.3295

 93.8759, 0.3181,  
0.3284

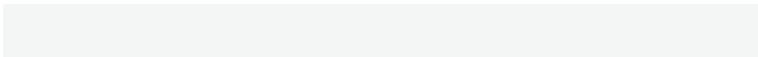
 72.7112, 0.2259,  
0.3296

 93.8807, 0.3181,  
0.3283

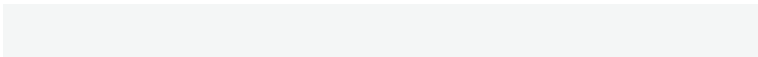
# Harmonies

## Analogous

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



91.7985, 0.3120, 0.3297



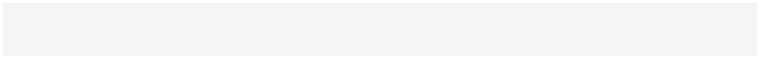
91.7985, 0.3114, 0.3290



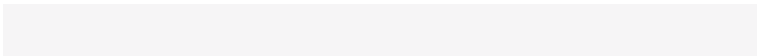
91.7985, 0.3112, 0.3283

# Triad

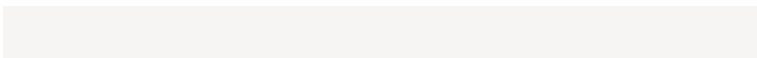
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.7985, 0.3114, 0.3290



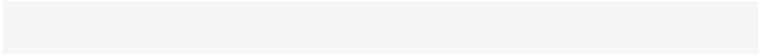
91.7985, 0.3127, 0.3278



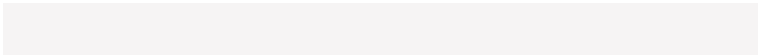
91.7985, 0.3141, 0.3302

# Complementary

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



91.7985, 0.3114, 0.3290



90.7995, 0.3140, 0.3290

# 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.



91.7985, 0.3143, 0.3297



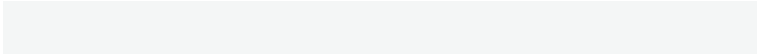
91.7985, 0.3114, 0.3290



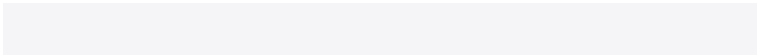
91.7985, 0.3135, 0.3283

# Square

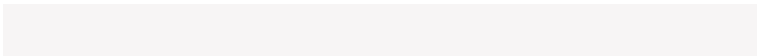
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



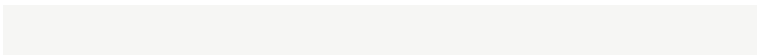
91.7985, 0.3114, 0.3290



91.7985, 0.3119, 0.3276



91.7985, 0.3141, 0.3290

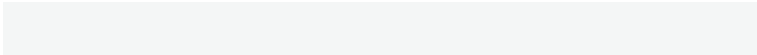


91.7985, 0.3136, 0.3304

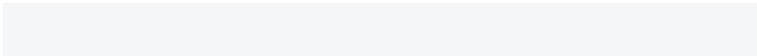


# Rectangle

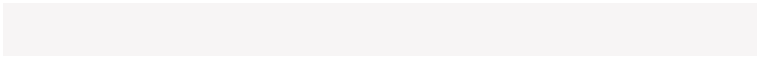
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



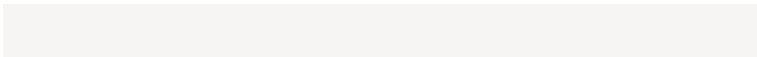
91.7985, 0.3114, 0.3290



91.7985, 0.3112, 0.3279



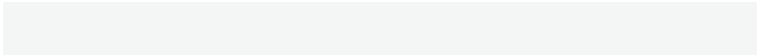
91.7985, 0.3141, 0.3290



91.7985, 0.3142, 0.3301

# Sweetspot

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



91.8024, 0.3114, 0.3290

100.0000, 0.3127, 0.3290



91.6829, 0.3126, 0.3310



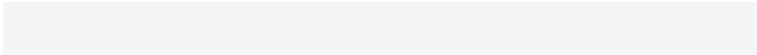
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



91.8024, 0.3114, 0.3290



99.5190, 0.3111, 0.3290



91.1974, 0.3114, 0.3280



19.5102, 0.3112, 0.3290



38.7075, 0.2249, 0.3297

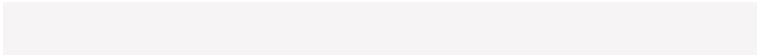


3.4023, 0.2249, 0.3296



# Inverse Universe

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



90.7995, 0.3140, 0.3290



98.2211, 0.3143, 0.3290



91.4010, 0.3140, 0.3300



19.2693, 0.3142, 0.3290



10.4592, 0.6397, 0.3298

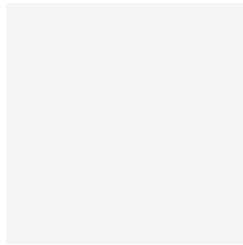


0.9196, 0.6389, 0.3293



# Previews

## White Background



This preview shows how the Yxy color 91.7985, 0.3114, 0.3290 looks on a white background.

## Color Contrast Check

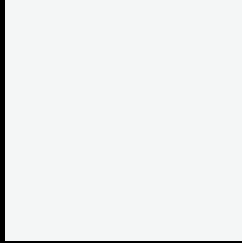
Large Text (above 18pt) WCAG AA × Fail

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 91.7985, 0.3114, 0.3290 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

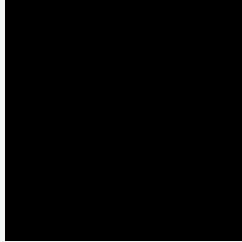
Any Text WCAG AAA ✓ Pass

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

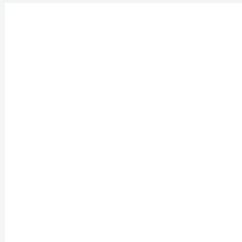


**Yxy 91.7985, 0.3114, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.7985, 0.3114, 0.3290.

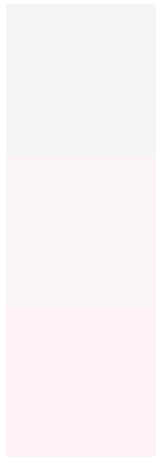


This preview shows how white text looks on a background with the Yxy color 91.7985, 0.3114, 0.3290.

# 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

91.7985, 0.3114, 0.3290

### Protanopia

91.6179, 0.3160, 0.3280

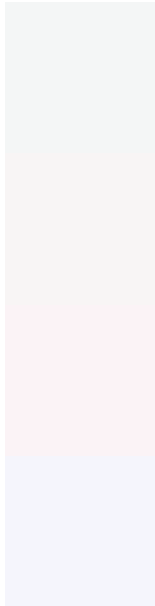
### Deuteranopia

91.4181, 0.3188, 0.3252

## Tritanopia

91.5142, 0.3075, 0.3183

# Trichromacy



## Original Color

91.7985, 0.3114, 0.3290

## Protanomaly

91.8538, 0.3146, 0.3290

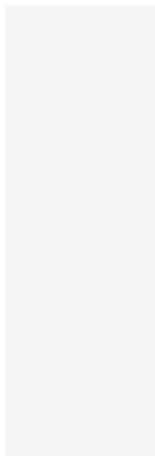
## Deuteranomaly

91.2642, 0.3161, 0.3261

## Tritanomaly

91.7456, 0.3086, 0.3221

# Monochromacy



## Original Color

91.7985, 0.3114, 0.3290

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.3099, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.7985, 0.3114, 0.3290 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(244, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(244, 246, 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(244, 246, 246) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 91.7985, 0.3114, 0.3290 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(244, 246, 246) }
```

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

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

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

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

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

# Background

The CSS property to change the background color of an element to Yxy 91.7985, 0.3114, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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