

# Converting Colors

Yxy(90.2312, 0.3262, 0.3359)

Have a look what the booklet for  
Yxy(90.2312, 0.3262, 0.3359)  
contains.

<b>Yxy(90.1111, 0.3263, 0.3359)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(90.1111, 0.3263, 0.3359)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1EA
RGB	255, 241, 234
RGB Percent	100%, 95%, 92%
CMY	0.0001, 0.0548, 0.0823
CMYK	0.00, 0.05, 0.08, 0.00
HSL	20°, 100%, 96%
HSV	20°, 8%, 100%
XYZ	87.5357, 90.1111, 90.6208
YIQ	244.3880, 10.5910, 0.7910

# Conversions

## Conversions Part 2

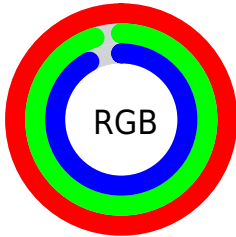
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 245, 234
Decimal	16773610
CIE Lab	96.04, 3.52, 5.05
CIE LCh	96, 6.157, 55.101
Yxy	90.1111, 0.3263, 0.3359
Android (android.graphics.Color)	4294963690 (0xFFFFF1EA)
YUV	244.3880, -5.1213, 9.3067
Hunter-Lab	94.9269, -1.5203, 9.8483

# Details

The Yxy color **90.1111, 0.3263, 0.3359** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.8104, 0.3000, 0.3220**, and the grayscale version is **90.8281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9180, 0.3294, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **79.1747, 0.3455, 0.3448**, and if you desaturate by 10%, it is **99.9928, 0.3127, 0.3290**.

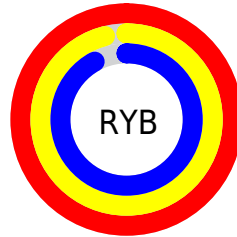
# Distribution



Red (100%)

Green (95%)

Blue (92%)



Red (100%)

Yellow (96%)

Blue (92%)

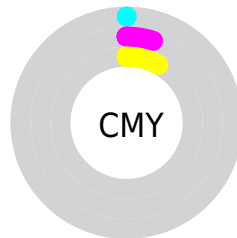


Cyan (0%)

Magenta (5%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1111, 0.3263, 0.3359 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 90.1111, 0.3263, 0.3359 by changing the saturation by 10% instead.



 90.1111, 0.3263,  
0.3359

 90.1111, 0.3263,  
0.3359


528.3922, 0.3202,  
0.3329

 68.0728, 0.3276,  
0.3366


147.4927, 0.3242,  
0.3349

 49.9570, 0.3293,  
0.3374


183.6048, 0.3234,  
0.3345

 35.3792, 0.3313,  
0.3384


225.1769, 0.3227,  
0.3341

 23.9551, 0.3339,  
0.3396

272.5935, 0.3221,  
0.3338

 15.3003, 0.3373,  
0.3413

326.2389, 0.3215,  
0.3335

 9.0304, 0.3421,  
0.3435

386.4976, 0.3211,

 4.7610, 0.3492,

0.3333

0.3468

453.7539, 0.3206,  
0.3331

■ 2.1077, 0.3607,  
0.3519

■ 0.6690, 0.4087,  
0.3788

■ 90.1111, 0.3263,  
0.3359

■ 90.1111, 0.3263,  
0.3359

■ 79.1747, 0.3455,  
0.3448

99.9928, 0.3127,  
0.3290

■ 69.3457, 0.3682,  
0.3541

■ 60.5919, 0.3946,  
0.3634

■ 52.8752, 0.4248,  
0.3721

■ 46.1549, 0.4584,  
0.3793

■ 40.3878, 0.4941,  
0.3839

■ 35.5265, 0.5294,  
0.3844

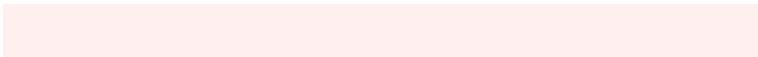
■ 31.5192, 0.5613,  
0.3801

■ 28.3047, 0.5867,  
0.3709

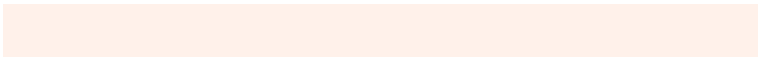
# Harmonies

## Analogous

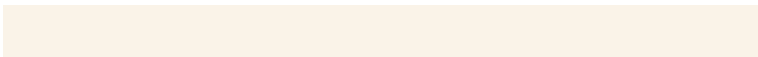
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1111, 0.3248, 0.3301



90.1111, 0.3263, 0.3359



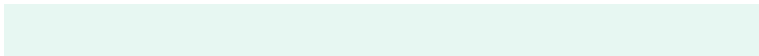
90.1111, 0.3241, 0.3399

# Triad

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



90.1111, 0.3263, 0.3359



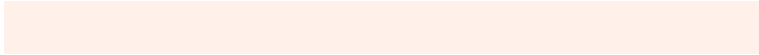
90.1111, 0.3054, 0.3339



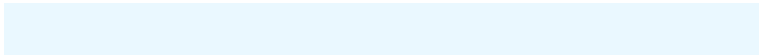
90.1111, 0.3065, 0.3173

# Complementary

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



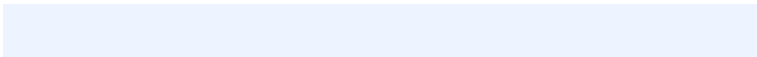
90.1111, 0.3263, 0.3359



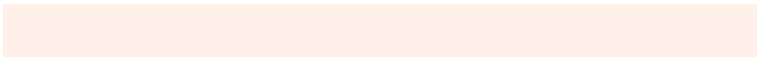
91.8104, 0.3000, 0.3220

# 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.



90.1111, 0.3014, 0.3181



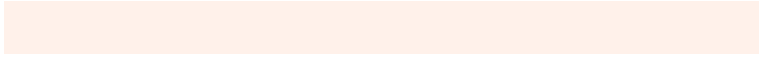
90.1111, 0.3263, 0.3359



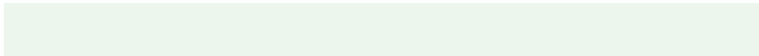
90.1111, 0.3008, 0.3277

# Square

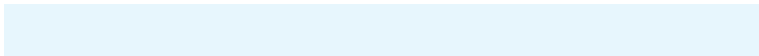
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



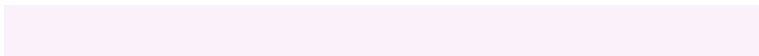
90.1111, 0.3263, 0.3359



90.1111, 0.3121, 0.3388



90.1111, 0.2993, 0.3219

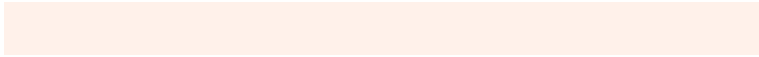


90.1111, 0.3133, 0.3195



# Rectangle

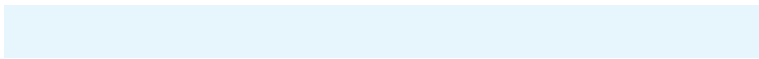
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1111, 0.3263, 0.3359



90.1111, 0.3209, 0.3410



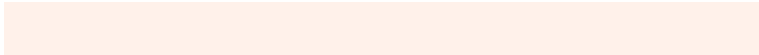
90.1111, 0.2993, 0.3219



90.1111, 0.3045, 0.3172

# Sweetspot

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



90.1150, 0.3263, 0.3359



97.5304, 0.3158, 0.3306



86.8746, 0.3180, 0.3154



20.9015, 0.3157, 0.3306



0.0000, 0.0000, 0.0000

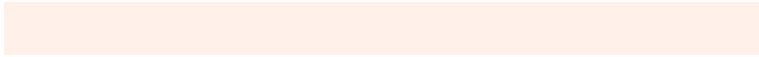


21.4041, 0.3127, 0.3290

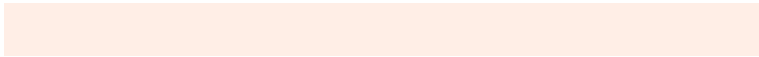


# Same Dimension

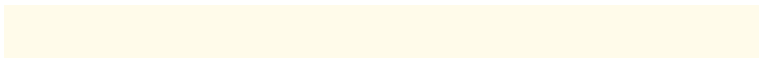
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1150, 0.3263, 0.3359



88.1161, 0.3295, 0.3375



96.4807, 0.3253, 0.3460



18.9807, 0.3286, 0.3370



14.7792, 0.5878, 0.3715

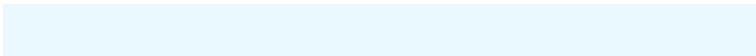


1.6307, 0.5659, 0.3889

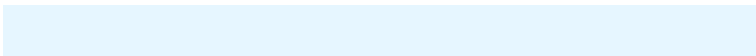


# Inverse Universe

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



91.8104, 0.3000, 0.3220



90.1536, 0.2972, 0.3204



85.5652, 0.3000, 0.3115



19.3966, 0.2980, 0.3209



19.0077, 0.1932, 0.2154

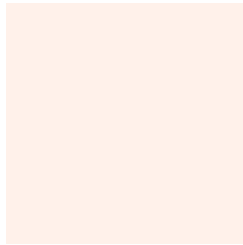


2.0522, 0.1972, 0.2298



# Previews

## White Background



This preview shows how the Yxy color 90.1111, 0.3263, 0.3359 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

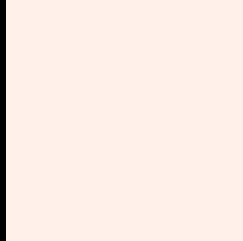
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.1111, 0.3263, 0.3359 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 90.1111, 0.3263, 0.3359**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.1111, 0.3263, 0.3359.

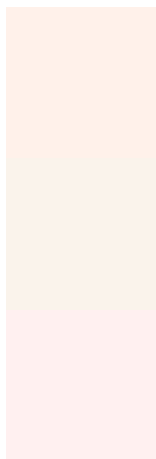


This preview shows how white text looks on a background with the Yxy color 90.1111, 0.3263, 0.3359.

# 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

90.1111, 0.3263, 0.3359

### Protanopia

90.4233, 0.3222, 0.3369

### Deuteranopia

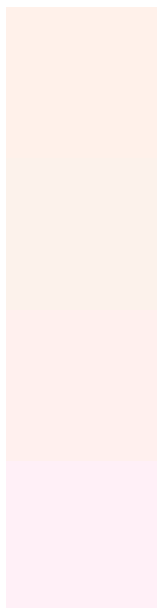
89.8714, 0.3226, 0.3290



## Tritanopia

90.1488, 0.3140, 0.3146

# Trichromacy



## Original Color

90.1111, 0.3263, 0.3359

## Protanomaly

90.1979, 0.3236, 0.3359

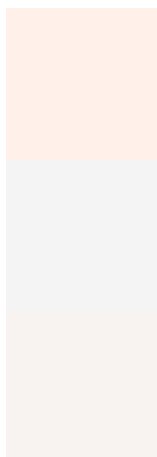
## Deuteranomaly

89.7532, 0.3239, 0.3310

## Tritanomaly

90.2956, 0.3183, 0.3222

# Monochromacy



## Original Color

90.1111, 0.3263, 0.3359

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.3489, 0.3178, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.1111, 0.3263, 0.3359 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(255, 241, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 234)  
}
```

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(255, 241, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 90.1111, 0.3263, 0.3359 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(255, 241, 234) }
```

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

```
.border{ border-color:rgb(255, 241, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.1111, 0.3263, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 234) }
```

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

```
.background{ background-color: rgb(255,  
241, 234) }
```

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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