

# Converting Colors

$Yxy(89.8206, 0.3150, 0.3157)$

Have a look what the booklet for  
Yxy(89.8206, 0.3150, 0.3157)  
contains.

<b>Yxy(90.0213, 0.3153, 0.3165)</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(90.0213, 0.3153, 0.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEFC
RGB	255, 239, 252
RGB Percent	100%, 94%, 99%
CMY	0.0000, 0.0627, 0.0118
CMYK	0.00, 0.06, 0.01, 0.00
HSL	311°, 100%, 97%
HSV	311°, 6%, 100%
XYZ	89.6800, 90.0213, 104.7262
YIQ	245.2660, 5.3630, 7.4350

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 239, 252
Decimal	16773116
CIE Lab	96.01, 7.62, -4.31
CIE LCh	96, 8.757, 330.524
Yxy	90.0213, 0.3153, 0.3165
Android (android.graphics.Color)	4294963196 (0xFFFEFFC)
YUV	245.2660, 3.3199, 8.5367
Hunter-Lab	94.8796, 2.6787, 0.9725

# Details

The Yxy color 90.0213, 0.3153, 0.3165 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.2832, 0.3102, 0.3418, and the grayscale version is 91.5035, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.8129, 0.3159, 0.3143 is the 20% darker color. If you saturate the color by 10%, you get 75.8269, 0.3199, 0.2959, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (94%)

Blue (99%)



Red (100%)

Yellow (94%)

Blue (99%)



Cyan (0%)

Magenta (6%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.0213, 0.3153, 0.3165 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 90.0213, 0.3153, 0.3165 by changing the saturation by 10% instead.



 90.0213, 0.3153,  
0.3165

 90.0213, 0.3153,  
0.3165


528.1001, 0.3142,  
0.3220

 67.9983, 0.3155,  
0.3153


147.3680, 0.3149,  
0.3184

 49.8964, 0.3158,  
0.3138


183.4605, 0.3148,  
0.3191

 35.3311, 0.3162,  
0.3120


225.0116, 0.3146,  
0.3197

 23.9180, 0.3166,  
0.3097

272.4057, 0.3145,  
0.3203

 15.2728, 0.3172,  
0.3067

326.0272, 0.3144,  
0.3208

 9.0111, 0.3180,  
0.3026

386.2605, 0.3143,

 4.7484, 0.3191,

0.3213

0.2967

453.4900, 0.3143,  
0.3217

■ 2.1004, 0.3208,  
0.2873

■ 0.6649, 0.3260,  
0.2650

■ 90.0213, 0.3153,  
0.3165

■ 90.0213, 0.3153,  
0.3165

■ 75.8269, 0.3199,  
0.2959

100.0000, 0.3127,  
0.3290

■ 63.6591, 0.3252,  
0.2749

■ 53.4236, 0.3312,  
0.2541

■ 45.0191, 0.3377,  
0.2344

■ 38.3349, 0.3448,  
0.2168

■ 33.2485, 0.3522,  
0.2023

■ 29.6210, 0.3597,  
0.1917

■ 27.2898, 0.3670,  
0.1858

■ 26.0523, 0.3740,  
0.1845

# Harmonies

## Analogous

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



90.0213, 0.3055, 0.3127



90.0213, 0.3153, 0.3165



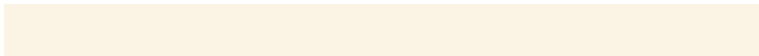
90.0213, 0.3246, 0.3236

# Triad

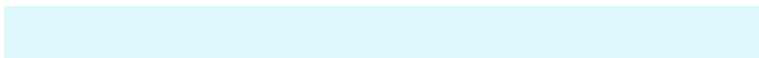
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0213, 0.3153, 0.3165



90.0213, 0.3279, 0.3451



90.0213, 0.2951, 0.3255

# Complementary

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



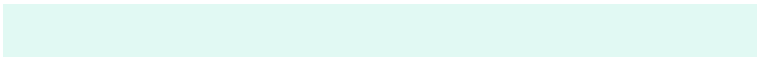
90.0213, 0.3153, 0.3165



96.2832, 0.3102, 0.3418

# 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.



90.0213, 0.3009, 0.3345



90.0213, 0.3153, 0.3165



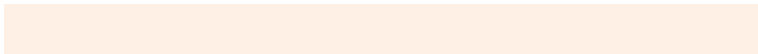
90.0213, 0.3198, 0.3459

# Square

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



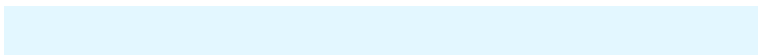
90.0213, 0.3153, 0.3165



90.0213, 0.3319, 0.3400



90.0213, 0.3099, 0.3420



90.0213, 0.2939, 0.3176



# Rectangle

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



90.0213, 0.3153, 0.3165



90.0213, 0.3291, 0.3292



90.0213, 0.3099, 0.3420



90.0213, 0.2966, 0.3285

# Sweetspot

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



90.0210, 0.3153, 0.3165



96.7272, 0.3135, 0.3251



87.8197, 0.3050, 0.3132



20.7379, 0.3135, 0.3253



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.



90.0210, 0.3153, 0.3165



87.4223, 0.3160, 0.3130



89.5298, 0.3202, 0.3241



18.2381, 0.3167, 0.3099



13.4801, 0.3755, 0.1842



1.3270, 0.3681, 0.1801



# Inverse Universe

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



90.0210, 0.3153, 0.3165



87.4223, 0.3160, 0.3130



96.7690, 0.3058, 0.3340



18.2381, 0.3167, 0.3099



13.4801, 0.3755, 0.1842

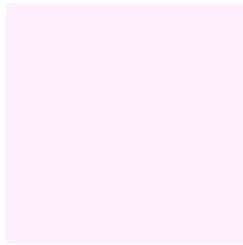


1.3270, 0.3681, 0.1801



# Previews

## White Background



This preview shows how the Yxy color 90.0213, 0.3153, 0.3165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

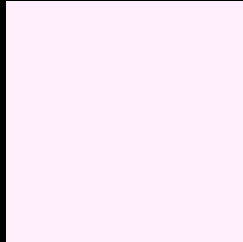
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.0213, 0.3153, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

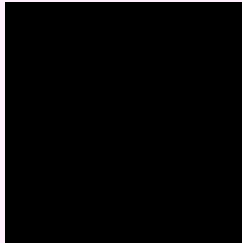
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.0213, 0.3153, 0.3165**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.0213, 0.3153, 0.3165.



This preview shows how white text looks on a background with the Yxy color 90.0213, 0.3153, 0.3165.

# 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

90.0213, 0.3153, 0.3165

### Protanopia

90.0725, 0.3075, 0.3172

### Deuteranopia

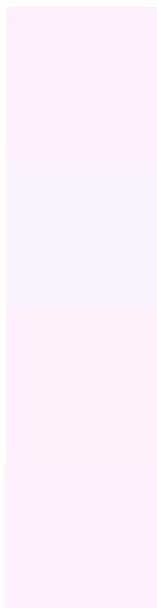
89.8326, 0.3171, 0.3193



## Tritanopia

90.0238, 0.3128, 0.3136

# Trichromacy



## Original Color

90.0213, 0.3153, 0.3165

## Protanomaly

90.1422, 0.3107, 0.3173

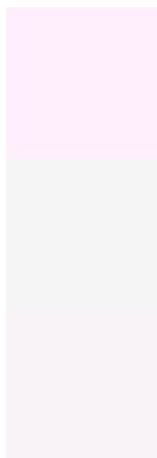
## Deuteranomaly

89.8951, 0.3165, 0.3184

## Tritanomaly

89.9596, 0.3134, 0.3146

# Monochromacy



## Original Color

90.0213, 0.3153, 0.3165

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.0182, 0.3136, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  90.0213, 0.3153, 0.3165 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, 239, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 252)  
}
```

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, 239, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 90.0213, 0.3153, 0.3165 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, 239, 252) }
```

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

```
.border{ border-color:rgb(255, 239, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.0213, 0.3153, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 252) }
```

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

```
.background{ background-color: rgb(255,  
239, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor