

# Converting Colors

$Y_{xy}(100.0000, 0.3430, 0.3280)$

Have a look what the booklet for  
Yxy(100.0000, 0.3430, 0.3280)  
contains.

<b>Yxy(92.5539, 0.3193, 0.3281)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(92.5539, 0.3193, 0.3281)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF4F5
RGB	255, 244, 245
RGB Percent	100%, 96%, 96%
CMY	0.0000, 0.0431, 0.0394
CMYK	0.00, 0.04, 0.04, 0.00
HSL	355°, 100%, 98%
HSV	355°, 4%, 100%
XYZ	90.0715, 92.5539, 99.4651
YIQ	247.4030, 6.2350, 2.6430

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 244, 245
Decimal	16774389
CIE <sub>Lab</sub>	97.05, 3.85, 0.85
CIE <sub>LCh</sub>	97, 3.943, 12.428
Yxy	92.5539, 0.3193, 0.3281
Android (android.graphics.Color)	4294964469 (0xFFFFF4F5)
YUV	247.4030, -1.1847, 6.6626
Hunter-Lab	96.2049, -1.2387, 6.0442

# Details

The Yxy color 92.5539, 0.3193, 0.3281 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.9130, 0.3065, 0.3299, and the grayscale version is 93.3601, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.6463, 0.3202, 0.3278 is the 20% darker color. If you saturate the color by 10%, you get 76.9204, 0.3372, 0.3259, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (96%)

Blue (96%)



Red (100%)

Yellow (96%)

Blue (96%)



Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.5539, 0.3193, 0.3281 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 92.5539, 0.3193, 0.3281 by changing the saturation by 10% instead.



 92.5539, 0.3193,  
0.3281

 92.5539, 0.3193,  
0.3281


536.3040, 0.3164,  
0.3285

 70.1008, 0.3199,  
0.3280


150.8809, 0.3183,  
0.3282

 51.6087, 0.3207,  
0.3279


187.5235, 0.3179,  
0.3283

 36.6933, 0.3217,  
0.3278


229.6647, 0.3176,  
0.3283

 24.9701, 0.3229,  
0.3276

277.6890, 0.3173,  
0.3284

 16.0548, 0.3245,  
0.3273

331.9806, 0.3170,  
0.3284

 9.5629, 0.3268,  
0.3270

392.9241, 0.3168,

 5.1101, 0.3301,

0.3285

460.9038, 0.3166,  
0.3285

0.3265

■ 2.3120, 0.3353,  
0.3257

■ 0.7801, 0.3473,  
0.3243

■ 92.5539, 0.3193,  
0.3281

■ 92.5539, 0.3193,  
0.3281

■ 76.9204, 0.3372,  
0.3259

100.0000, 0.3127,  
0.3290

■ 63.4956, 0.3595,  
0.3236

■ 52.1801, 0.3872,  
0.3213

■ 42.8664, 0.4211,  
0.3191

■ 35.4380, 0.4611,  
0.3175

■ 29.7661, 0.5060,  
0.3168

■ 25.7058, 0.5519,  
0.3176

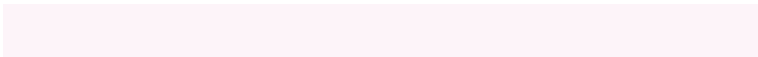
■ 23.0891, 0.5929,  
0.3200

■ 21.7107, 0.6223,  
0.3239

# Harmonies

## Analogous

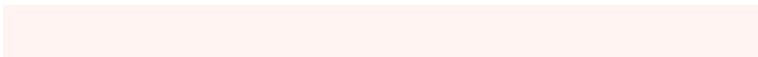
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5539, 0.3156, 0.3245



92.5539, 0.3193, 0.3281



92.5539, 0.3212, 0.3320

# Triad

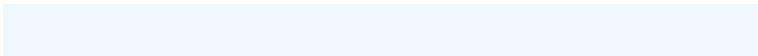
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.5539, 0.3193, 0.3281



92.5539, 0.3142, 0.3360



92.5539, 0.3047, 0.3229

# Complementary

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



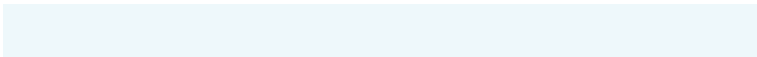
92.5539, 0.3193, 0.3281



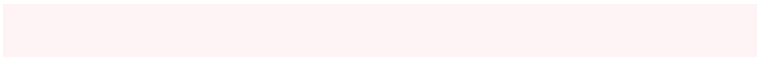
97.9130, 0.3065, 0.3299

# Split Complementary

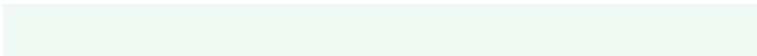
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5539, 0.3043, 0.3260



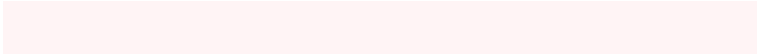
92.5539, 0.3193, 0.3281



92.5539, 0.3098, 0.3336

# Square

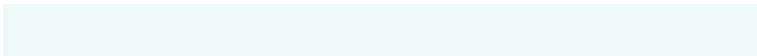
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.5539, 0.3193, 0.3281



92.5539, 0.3182, 0.3366



92.5539, 0.3062, 0.3299

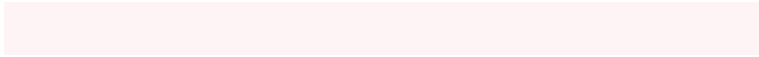


92.5539, 0.3072, 0.3215

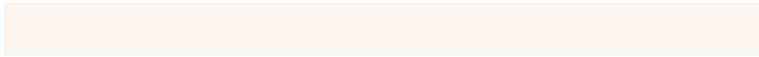


# Rectangle

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



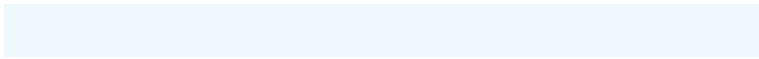
92.5539, 0.3193, 0.3281



92.5539, 0.3212, 0.3342



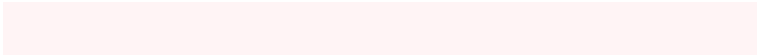
92.5539, 0.3062, 0.3299



92.5539, 0.3043, 0.3238

# Sweetspot

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



92.5540, 0.3193, 0.3281



98.2346, 0.3142, 0.3288



92.9763, 0.3125, 0.3185



21.0449, 0.3141, 0.3288



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

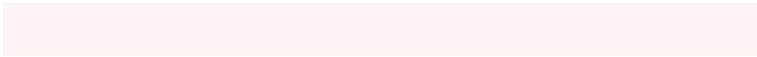


# Same Dimension

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



92.5540, 0.3193, 0.3281



91.4054, 0.3204, 0.3280



95.1747, 0.3196, 0.3333



19.3159, 0.3215, 0.3278



11.1477, 0.6308, 0.3249

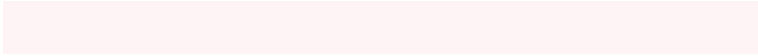


1.0937, 0.6118, 0.3144

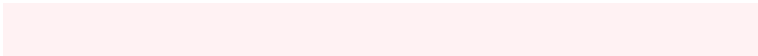


# Inverse Universe

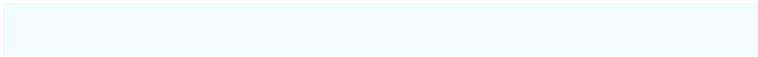
The Inverse Universe completely reimagines the original color for something new.



92.5540, 0.3193, 0.3281



91.4054, 0.3204, 0.3280



95.1998, 0.3061, 0.3247



19.3159, 0.3215, 0.3278



11.1477, 0.6308, 0.3249

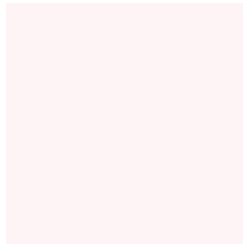


1.0937, 0.6118, 0.3144



# Previews

## White Background



This preview shows how the Yxy color 92.5539, 0.3193, 0.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

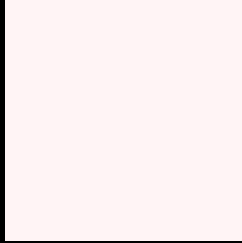
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.5539, 0.3193, 0.3281 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

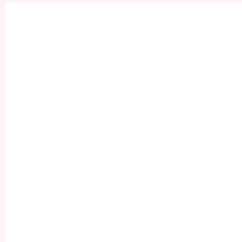
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.5539, 0.3193, 0.3281**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.5539, 0.3193, 0.3281.



This preview shows how white text looks on a background with the Yxy color 92.5539, 0.3193, 0.3281.

# 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**

92.5539, 0.3193, 0.3281

**Protanopia**

92.4679, 0.3160, 0.3280

**Deuteranopia**

92.6152, 0.3186, 0.3271



## Tritanopia

92.8040, 0.3119, 0.3184

# Trichromacy



**Original Color**

92.5539, 0.3193, 0.3281

**Protanomaly**

92.6541, 0.3166, 0.3280

**Deuteranomaly**

92.6152, 0.3186, 0.3271

**Tritanomaly**

92.7372, 0.3150, 0.3223

# Monochromacy



**Original Color**

92.5539, 0.3193, 0.3281

**Achromatopsia**

93.0111, 0.3127, 0.3290

**Achromatomaly**

92.8893, 0.3153, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  92.5539, 0.3193, 0.3281 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, 244, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 245)  
}
```

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, 244, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 92.5539, 0.3193, 0.3281 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, 244, 245) }
```

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

```
.border{ border-color:rgb(255, 244, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.5539, 0.3193, 0.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 245) }
```

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

```
.background{ background-color: rgb(255,  
244, 245) }
```

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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