

# Converting Colors

$Y_{xy}(90.6670, 0.3205, 0.3268)$

Have a look what the booklet for  
Yxy(90.6670, 0.3205, 0.3268)  
contains.

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# Color

**Yxy(90.6417, 0.3207, 0.3271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1F3
RGB	255, 241, 243
RGB Percent	100%, 95%, 95%
CMY	0.0000, 0.0549, 0.0471
CMYK	0.00, 0.05, 0.05, 0.00
HSL	352°, 100%, 97%
HSV	352°, 5%, 100%
XYZ	88.8682, 90.6417, 97.5971
YIQ	245.4140, 7.7020, 3.5900

# Conversions

## Conversions Part 2

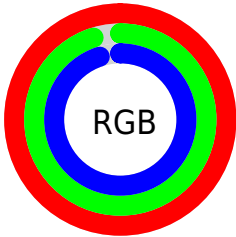
Format	Color
R <sub>Y</sub> B	255, 241, 243
Decimal	16773619
CIE Lab	96.26, 5.03, 0.72
CIE LCh	96, 5.084, 8.135
Yxy	90.6417, 0.3207, 0.3271
Android (android.graphics.Color)	4294963699 (0xFFFFF1F3)
YUV	245.4140, -1.1901, 8.4069
Hunter-Lab	95.2059, 0.0071, 5.8651

# Details

The Yxy color  $90.6417, 0.3207, 0.3271$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $97.3081, 0.3053, 0.3309$ , and the grayscale version is  $91.6675, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $50.2915, 0.3221, 0.3266$  is the 20% darker color. If you saturate the color by 10%, you get  $75.3461, 0.3380, 0.3234$ , and if you desaturate by 10%, it is  $99.9979, 0.3127, 0.3290$ .

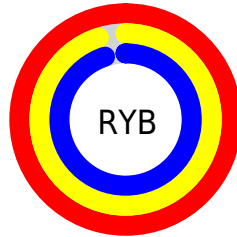
# Distribution



Red (100%)

Green (95%)

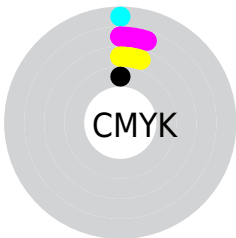
Blue (95%)



Red (100%)

Yellow (95%)

Blue (95%)

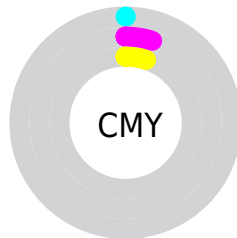


Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.6417, 0.3207, 0.3271 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 90.6417, 0.3207, 0.3271 by changing the saturation by 10% instead.




 90.6417, 0.3207,  
0.3271

 90.6417, 0.3207,  
0.3271

530.1161, 0.3171,  
0.3280

 68.5130, 0.3215,  
0.3269


148.2294, 0.3195,  
0.3274

 50.3152, 0.3224,  
0.3267


184.4572, 0.3190,  
0.3275

 35.6639, 0.3236,  
0.3264


226.1535, 0.3186,  
0.3276

 24.1747, 0.3251,  
0.3260

273.7027, 0.3182,  
0.3277

 15.4633, 0.3271,  
0.3255

327.4891, 0.3179,  
0.3278

 9.1452, 0.3299,  
0.3248

387.8972, 0.3176,

 4.8360, 0.3340,

0.3278

0.3238

455.3114, 0.3174,  
0.3279

■ 2.1514, 0.3406,  
0.3221

■ 0.6933, 0.3587,  
0.3181

■ 90.6417, 0.3207,  
0.3271

■ 90.6417, 0.3207,  
0.3271

■ 75.3461, 0.3380,  
0.3234

99.9979, 0.3127,  
0.3290

■ 62.2242, 0.3595,  
0.3196

■ 51.1808, 0.3860,  
0.3157

■ 42.1090, 0.4183,  
0.3122

■ 34.8925, 0.4564,  
0.3094

■ 29.4027, 0.4991,  
0.3081

■ 25.4942, 0.5433,  
0.3090

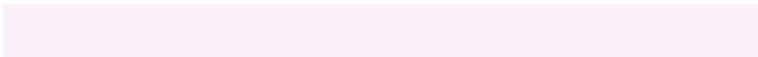
■ 22.9983, 0.5837,  
0.3126

■ 21.7066, 0.6143,  
0.3186

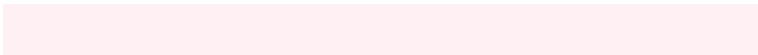
# Harmonies

## Analogous

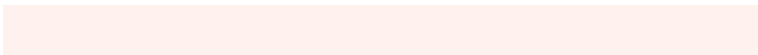
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6417, 0.3157, 0.3226



90.6417, 0.3207, 0.3271



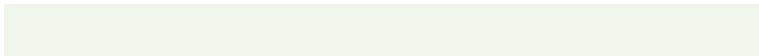
90.6417, 0.3236, 0.3321

# Triad

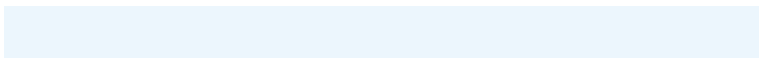
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.6417, 0.3207, 0.3271



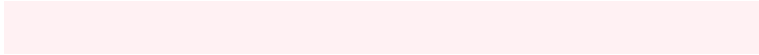
90.6417, 0.3154, 0.3384



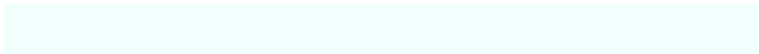
90.6417, 0.3021, 0.3216

# Complementary

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



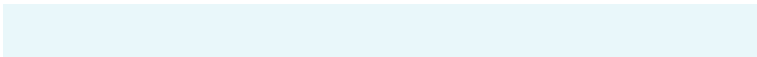
90.6417, 0.3207, 0.3271



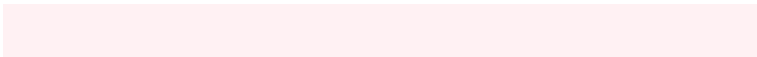
97.3081, 0.3053, 0.3309

# 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.



90.6417, 0.3020, 0.3258



90.6417, 0.3207, 0.3271



90.6417, 0.3097, 0.3356

# Square

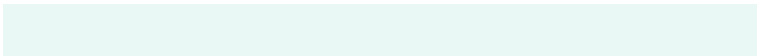
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.6417, 0.3207, 0.3271



90.6417, 0.3205, 0.3387



90.6417, 0.3048, 0.3309



90.6417, 0.3050, 0.3194

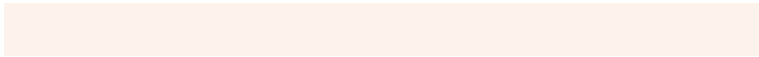


# Rectangle

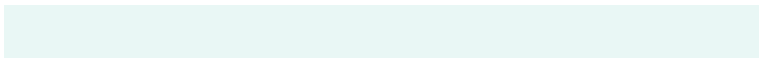
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



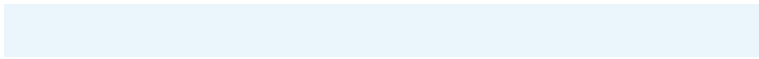
90.6417, 0.3207, 0.3271



90.6417, 0.3239, 0.3351



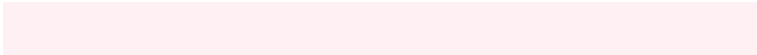
90.6417, 0.3048, 0.3309



90.6417, 0.3017, 0.3228

# Sweetspot

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



90.6456, 0.3207, 0.3271



96.5103, 0.3155, 0.3283



90.9990, 0.3120, 0.3155



20.6937, 0.3154, 0.3284



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

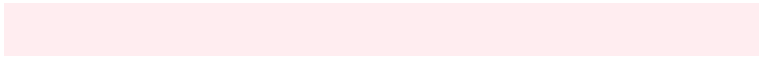


# Same Dimension

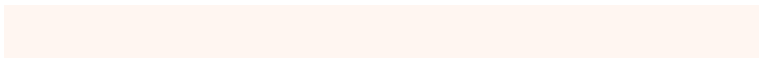
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.6456, 0.3207, 0.3271



88.1874, 0.3231, 0.3266



93.4622, 0.3215, 0.3338



18.6689, 0.3241, 0.3263



11.1883, 0.6215, 0.3197



1.1014, 0.5953, 0.3053



# Inverse Universe

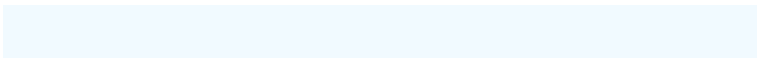
The Inverse Universe completely reimagines the original color for something new.



90.6456, 0.3207, 0.3271



88.1874, 0.3231, 0.3266



94.3533, 0.3042, 0.3242



18.6689, 0.3241, 0.3263



11.1883, 0.6215, 0.3197

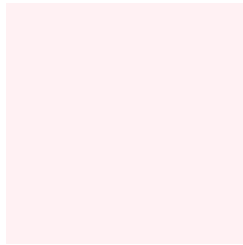


1.1014, 0.5953, 0.3053



# Previews

## White Background



This preview shows how the Yxy color 90.6417, 0.3207, 0.3271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

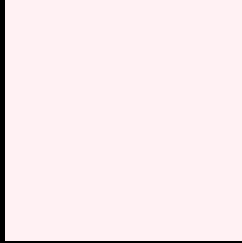
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.6417, 0.3207, 0.3271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

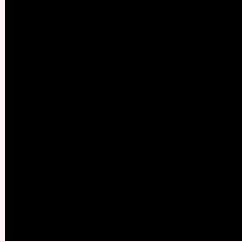
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

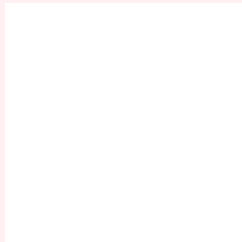
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.6417, 0.3207, 0.3271**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.6417, 0.3207, 0.3271.

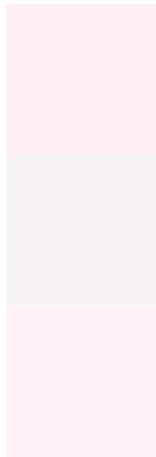


This preview shows how white text looks on a background with the Yxy color 90.6417, 0.3207, 0.3271.

# 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

90.6417, 0.3207, 0.3271

### Protanopia

90.5893, 0.3154, 0.3280

### Deuteranopia

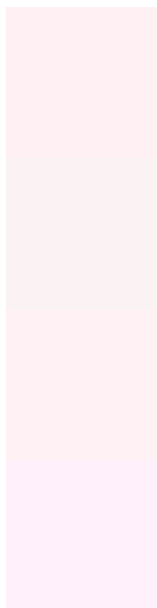
90.7022, 0.3201, 0.3261



## Tritanopia

90.8002, 0.3134, 0.3146

# Trichromacy



## Original Color

90.6417, 0.3207, 0.3271

## Protanomaly

90.5451, 0.3174, 0.3271

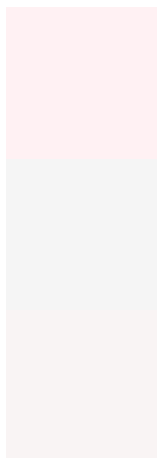
## Deuteranomaly

90.7022, 0.3201, 0.3261

## Tritanomaly

90.5452, 0.3158, 0.3184

# Monochromacy



## Original Color

90.6417, 0.3207, 0.3271

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.3728, 0.3160, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.6417, 0.3207, 0.3271 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 90.6417, 0.3207, 0.3271 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, 243) }
```

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

```
.border{ border-color:rgb(255, 241, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.6417, 0.3207, 0.3271 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
241, 243) }
```

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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