

# Converting Colors

$Yxy(91.9402, 0.3101, 0.3253)$

Have a look what the booklet for  
Yxy(91.9402, 0.3101, 0.3253)  
contains.

<b>Yxy(92.1636, 0.3103, 0.3261)</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(92.1636, 0.3103, 0.3261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F6F9
RGB	245, 246, 249
RGB Percent	96%, 96%, 98%
CMY	0.0393, 0.0352, 0.0237
CMYK	0.02, 0.01, 0.00, 0.02
HSL	224°, 25%, 97%
HSV	224°, 2%, 98%
XYZ	87.6981, 92.1636, 102.7620
YIQ	246.0430, -1.5590, 0.7210

# Conversions

## Conversions Part 2

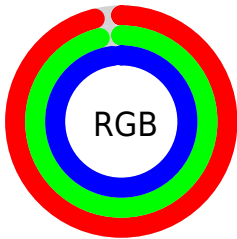
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 246, 249
Decimal	16119545
CIE <sub>Lab</sub>	96.89, 0.18, -1.55
CIE <sub>LCh</sub>	97, 1.558, 276.784
Yxy	92.1636, 0.3103, 0.3261
Android (android.graphics.Color)	4294309625 (0xFFFF5F6F9)
YUV	246.0430, 1.4578, -0.9147
Hunter-Lab	96.0019, -4.9427, 3.7363

# Details

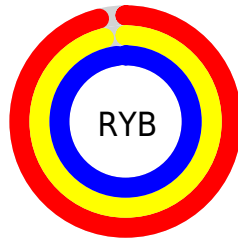
The Yxy color 92.1636, 0.3103, 0.3261 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.8087, 0.3151, 0.3319, and the grayscale version is 92.1823, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.4960, 0.3096, 0.3252 is the 20% darker color. If you saturate the color by 10%, you get 77.3644, 0.2945, 0.3067, and if you desaturate by 10%, it is 99.6175, 0.3162, 0.3348.

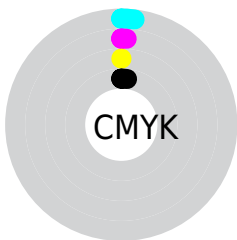
# Distribution



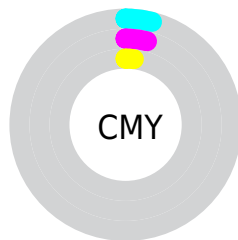
- Red (96%)
- Green (96%)
- Blue (98%)



- Red (96%)
- Yellow (96%)
- Blue (98%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)




- Cyan (4%)
- Magenta (4%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.1636, 0.3103, 0.3261 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 92.1636, 0.3103, 0.3261 by changing the saturation by 10% instead.




 92.1636, 0.3103,  
0.3261

 92.1636, 0.3103,  
0.3261


535.0441, 0.3114,  
0.3274

 69.7765, 0.3101,  
0.3258


150.3401, 0.3107,  
0.3265

 51.3444, 0.3098,  
0.3255


186.8983, 0.3108,  
0.3267

 36.4827, 0.3094,  
0.3250


228.9491, 0.3109,  
0.3269

 24.8073, 0.3090,  
0.3245

276.8767, 0.3110,  
0.3270

 15.9335, 0.3084,  
0.3238

331.0656, 0.3111,  
0.3271

 9.4771, 0.3075,  
0.3228

391.9002, 0.3112,

 5.0537, 0.3063,

0.3272

0.3213

459.7649, 0.3113,  
0.3273

■ 2.2788, 0.3044,  
0.3190

■ 0.7624, 0.3001,  
0.3138

■ 92.1636, 0.3103,  
0.3261

■ 92.1636, 0.3103,  
0.3261

■ 77.3644, 0.2945,  
0.3067

■ 99.6175, 0.3162,  
0.3348

■ 64.2118, 0.2773,  
0.2848

■ 52.6510, 0.2592,  
0.2606

■ 42.6195, 0.2403,  
0.2344

■ 34.0506, 0.2215,  
0.2066

■ 26.8723, 0.2034,  
0.1783

■ 21.0063, 0.1872,  
0.1507

■ 16.3652, 0.1737,  
0.1253

■ 12.8492, 0.1637,  
0.1035

# Harmonies

## Analogous

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



92.1636, 0.3094, 0.3268



92.1636, 0.3103, 0.3261



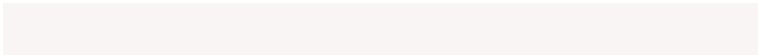
92.1636, 0.3118, 0.3262

# Triad

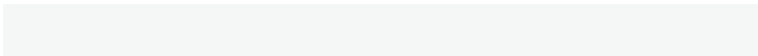
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.1636, 0.3103, 0.3261



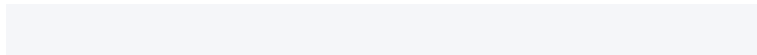
92.1636, 0.3160, 0.3299



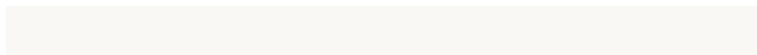
92.1636, 0.3119, 0.3311

# Complementary

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



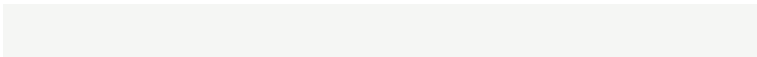
92.1636, 0.3103, 0.3261



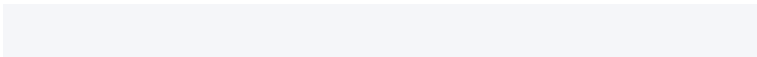
93.8087, 0.3151, 0.3319

# Split Complementary

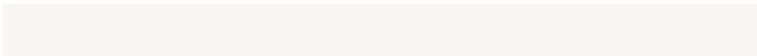
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.1636, 0.3136, 0.3319



92.1636, 0.3103, 0.3261



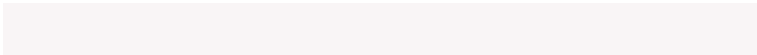
92.1636, 0.3160, 0.3312

# Square

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



92.1636, 0.3103, 0.3261



92.1636, 0.3151, 0.3284



92.1636, 0.3152, 0.3320

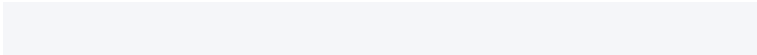


92.1636, 0.3104, 0.3297

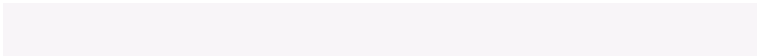


# Rectangle

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



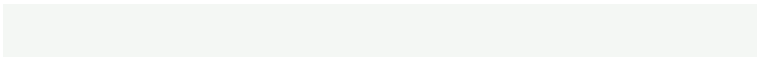
92.1636, 0.3103, 0.3261



92.1636, 0.3130, 0.3267



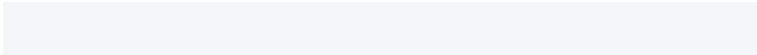
92.1636, 0.3152, 0.3320



92.1636, 0.3125, 0.3314

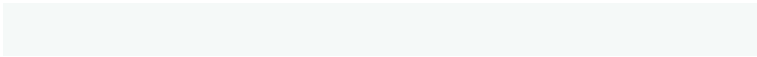
# Sweetspot

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



92.1675, 0.3103, 0.3261

100.0000, 0.3127, 0.3290



93.9096, 0.3108, 0.3300



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.



92.1675, 0.3103, 0.3261



96.6694, 0.3097, 0.3254



91.6987, 0.3109, 0.3251



19.8425, 0.3099, 0.3256



5.9042, 0.1587, 0.0912

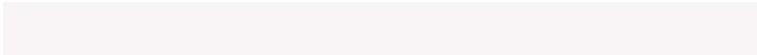


0.7118, 0.1649, 0.1135



# Inverse Universe

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



92.0748, 0.3147, 0.3280



96.5492, 0.3152, 0.3277



94.2850, 0.3145, 0.3329



19.8190, 0.3150, 0.3278



11.0069, 0.5893, 0.3020

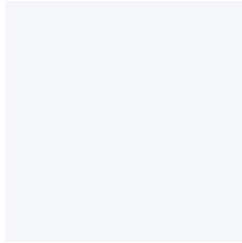


1.0361, 0.5560, 0.2836



# Previews

## White Background



This preview shows how the Yxy color 92.1636, 0.3103, 0.3261 looks on a white background.

## Color Contrast Check

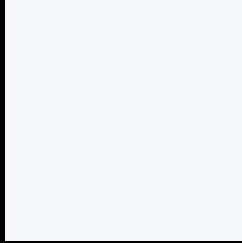
Large Text (above 18pt) WCAG AA × Fail

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 92.1636, 0.3103, 0.3261 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](#).

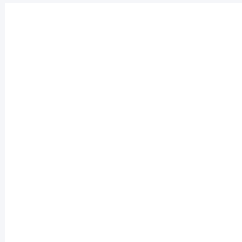


**Yxy 92.1636, 0.3103, 0.3261**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.1636, 0.3103, 0.3261.

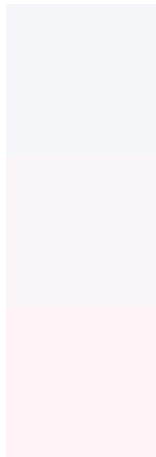


This preview shows how white text looks on a background with the Yxy color 92.1636, 0.3103, 0.3261.

# 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

92.1636, 0.3103, 0.3261

### Protanopia

92.2219, 0.3135, 0.3261

### Deuteranopia

92.1385, 0.3175, 0.3242

## **Tritanopia**

92.2990, 0.3081, 0.3193

# Trichromacy



**Original Color**

92.1636, 0.3103, 0.3261

**Protanomaly**

92.0386, 0.3129, 0.3261

**Deuteranomaly**

91.9879, 0.3148, 0.3251

**Tritanomaly**

91.9895, 0.3086, 0.3212

# Monochromacy



**Original Color**

92.1636, 0.3103, 0.3261

**Achromatopsia**

92.1582, 0.3127, 0.3290

**Achromatomaly**

92.2198, 0.3121, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.1636, 0.3103, 0.3261 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(245, 246, 249)` looks like.

```
.text, #text, p{  
    color:rgb(245, 246, 249)  
}
```

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(245, 246, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 246, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 92.1636, 0.3103, 0.3261 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(245, 246, 249) }
```

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

```
.border{ border-color:rgb(245, 246, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 246, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 246, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 246, 249);  
box-shadow:4px 4px 4px 4px rgb(245, 246,  
249) }
```

# Background

The CSS property to change the background color of an element to Yxy 92.1636, 0.3103, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 246, 249) }
```

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

```
.background{ background-color: rgb(245,  
246, 249) }
```

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