

# Converting Colors

$Yxy(88.3172, 0.3097, 0.3257)$

Have a look what the booklet for  
Yxy(88.3172, 0.3097, 0.3257)  
contains.

<b>Yxy(88.6221, 0.3096, 0.3260)</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(88.6221, 0.3096, 0.3260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F2F5
RGB	240, 242, 245
RGB Percent	94%, 95%, 96%
CMY	0.0589, 0.0509, 0.0392
CMYK	0.02, 0.01, 0.00, 0.04
HSL	216°, 20%, 95%
HSV	216°, 2%, 96%
XYZ	84.1638, 88.6221, 99.0610
YIQ	241.7440, -2.1550, 0.5090

# Conversions

## Conversions Part 2

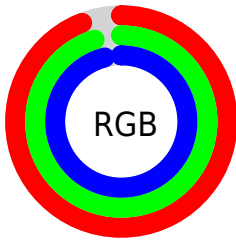
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 241, 245
Decimal	15790837
CIE Lab	95.42, -0.13, -1.69
CIE LCh	95, 1.693, 265.568
Yxy	88.6221, 0.3096, 0.3260
Android (android.graphics.Color)	4293980917 (0xFFFF0F2F5)
YUV	241.7440, 1.6052, -1.5295
Hunter-Lab	94.1393, -5.1586, 3.5078

# Details

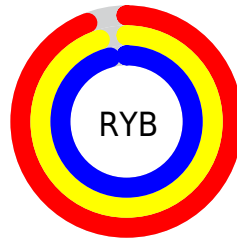
The Yxy color **88.6221, 0.3096, 0.3260** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.7903, 0.3158, 0.3320**, and the grayscale version is **88.5690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9823, 0.3088, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **76.2775, 0.2938, 0.3103**, and if you desaturate by 10%, it is **99.3731, 0.3185, 0.3386**.

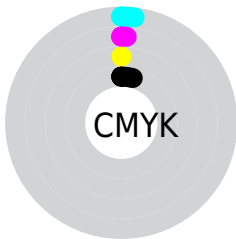
# Distribution



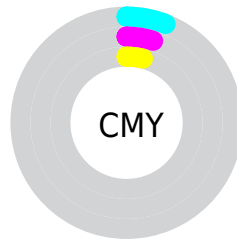
- Red (94%)
- Green (95%)
- Blue (96%)



- Red (94%)
- Yellow (95%)
- Blue (96%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



- Cyan (6%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6221, 0.3096, 0.3260 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 88.6221, 0.3096, 0.3260 by changing the saturation by 10% instead.



88.6221, 0.3096,  
0.3260

88.6221, 0.3096,  
0.3260

523.5383, 0.3110,  
0.3274

66.8384, 0.3093,  
0.3257

145.4229, 0.3101,  
0.3265

48.9533, 0.3089,  
0.3253

181.2089, 0.3103,  
0.3266

34.5824, 0.3084,  
0.3249

222.4310, 0.3104,  
0.3268

23.3414, 0.3079,  
0.3243

269.4737, 0.3106,  
0.3269

14.8458, 0.3071,  
0.3235

322.7214, 0.3107,  
0.3271

8.7112, 0.3060,  
0.3225

382.5585, 0.3108,

4.5533, 0.3043,

0.3272

0.3209

449.3693, 0.3109,  
0.3273

■ 1.9876, 0.3017,  
0.3183

■ 0.6003, 0.2926,  
0.3095

■ 88.6221, 0.3096,  
0.3260

■ 88.6221, 0.3096,  
0.3260

■ 76.2775, 0.2938,  
0.3103

■ 99.3731, 0.3185,  
0.3386

■ 65.1626, 0.2772,  
0.2927

■ 55.2398, 0.2601,  
0.2734

■ 46.4653, 0.2427,  
0.2523

■ 38.7924, 0.2256,  
0.2299

■ 32.1707, 0.2095,  
0.2067

■ 26.5449, 0.1951,  
0.1833

■ 21.8534, 0.1829,  
0.1606

■ 18.0250, 0.1735,  
0.1396

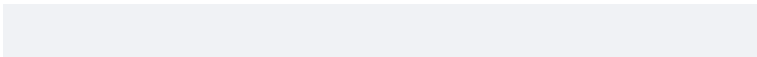
# Harmonies

## Analogous

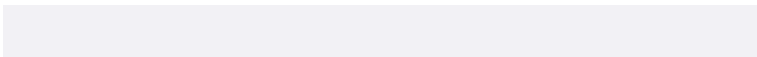
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6221, 0.3090, 0.3271



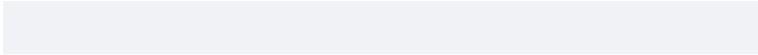
88.6221, 0.3096, 0.3260



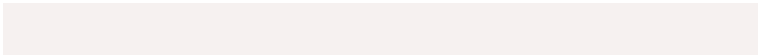
88.6221, 0.3110, 0.3258

# Triad

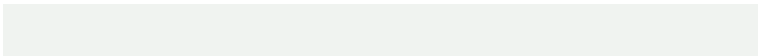
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6221, 0.3096, 0.3260



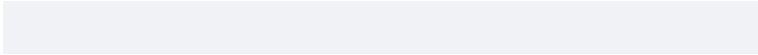
88.6221, 0.3161, 0.3294



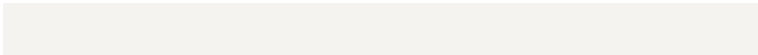
88.6221, 0.3125, 0.3317

# Complementary

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



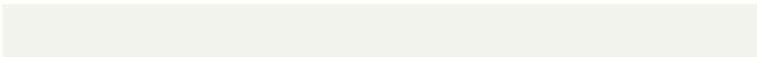
88.6221, 0.3096, 0.3260



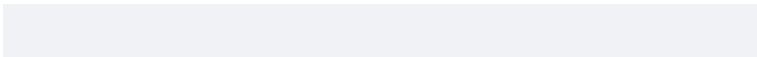
89.7903, 0.3158, 0.3320

# Split Complementary

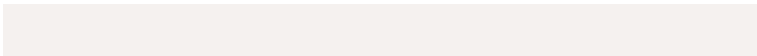
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6221, 0.3144, 0.3323



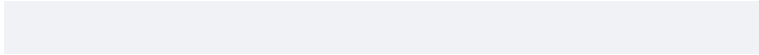
88.6221, 0.3096, 0.3260



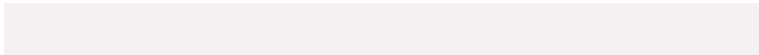
88.6221, 0.3165, 0.3310

# Square

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



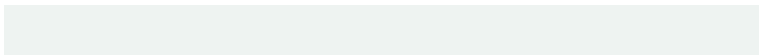
88.6221, 0.3096, 0.3260



88.6221, 0.3148, 0.3277



88.6221, 0.3159, 0.3320

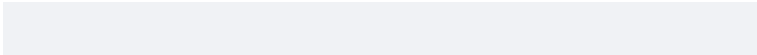


88.6221, 0.3107, 0.3304

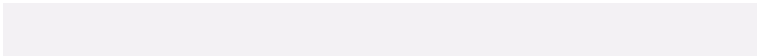


# Rectangle

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



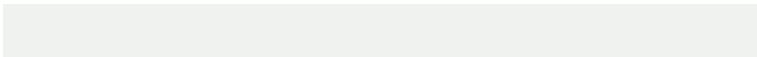
88.6221, 0.3096, 0.3260



88.6221, 0.3123, 0.3261



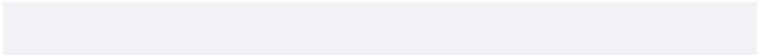
88.6221, 0.3159, 0.3320



88.6221, 0.3132, 0.3320

# Sweetspot

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



88.6259, 0.3096, 0.3260



98.5540, 0.3112, 0.3275



90.2970, 0.3107, 0.3311



21.1099, 0.3113, 0.3276



0.0000, 0.0000, 0.0000

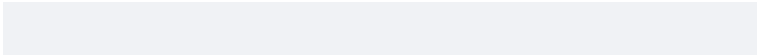


21.4041, 0.3127, 0.3290



# Same Dimension

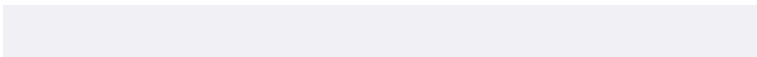
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6259, 0.3096, 0.3260



97.1221, 0.3097, 0.3261



87.4960, 0.3099, 0.3240



19.0652, 0.3098, 0.3262



8.6164, 0.1687, 0.1274

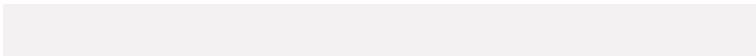


0.9534, 0.1756, 0.1520



# Inverse Universe

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



88.1333, 0.3148, 0.3270



96.5949, 0.3147, 0.3270



90.9382, 0.3155, 0.3340



18.9673, 0.3146, 0.3271



10.9692, 0.5362, 0.2728

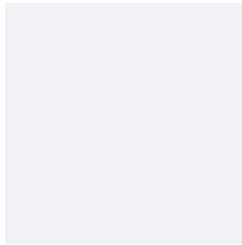


0.9839, 0.5033, 0.2546



# Previews

## White Background



This preview shows how the Yxy color 88.6221, 0.3096, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

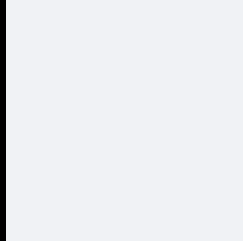
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6221, 0.3096, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

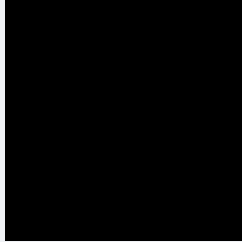
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

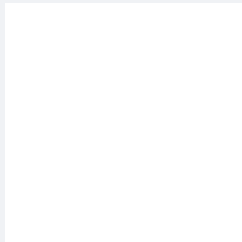
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.6221, 0.3096, 0.3260**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6221, 0.3096, 0.3260.

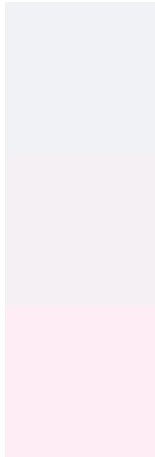


This preview shows how white text looks on a background with the Yxy color 88.6221, 0.3096, 0.3260.

# 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

88.6221, 0.3096, 0.3260

### Protanopia

88.2643, 0.3136, 0.3250

### Deuteranopia

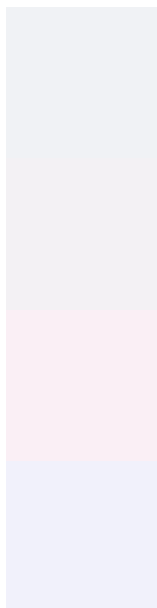
88.4209, 0.3197, 0.3212



## Tritanopia

88.4174, 0.3050, 0.3142

# Trichromacy



## Original Color

88.6221, 0.3096, 0.3260

## Protanomaly

88.4969, 0.3122, 0.3260

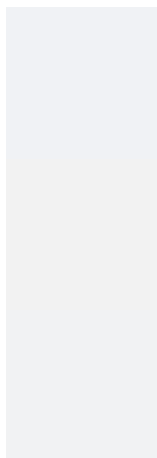
## Deuteranomaly

88.6496, 0.3163, 0.3231

## Tritanomaly

88.5764, 0.3067, 0.3191

# Monochromacy



## Original Color

88.6221, 0.3096, 0.3260

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.6761, 0.3115, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6221, 0.3096, 0.3260 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(240, 242, 245)` looks like.

```
.text, #text, p{  
    color:rgb(240, 242, 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(240, 242, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 242, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6221, 0.3096, 0.3260 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(240, 242, 245) }
```

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

```
.border{ border-color:rgb(240, 242, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 242, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 242, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 242, 245);  
box-shadow:4px 4px 4px 4px rgb(240, 242,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6221, 0.3096, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 242, 245) }
```

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

```
.background{ background-color: rgb(240,  
242, 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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