

# Converting Colors

Yxy(89.6965, 0.3019, 0.3199)

Have a look what the booklet for  
Yxy(89.6965, 0.3019, 0.3199)  
contains.

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# Color

**Yxy(89.6261, 0.3023, 0.3200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF4FD
RGB	236, 244, 253
RGB Percent	93%, 96%, 99%
CMY	0.0746, 0.0431, 0.0077
CMYK	0.07, 0.04, 0.00, 0.01
HSL	212°, 81%, 96%
HSV	212°, 7%, 99%
XYZ	84.6687, 89.6261, 105.7868
YIQ	242.6340, -7.6570, 1.1030

# Conversions

## Conversions Part 2

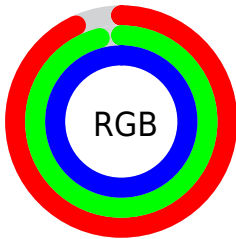
Format	Color
R <sub>Y</sub> B	236, 241, 253
Decimal	15529213
CIE Lab	95.84, -0.98, -5.26
CIE LCh	96, 5.346, 259.442
Yxy	89.6261, 0.3023, 0.3200
Android (android.graphics.Color)	4293719293 (0xFFECEF4FD)
YUV	242.6340, 5.1104, -5.8180
Hunter-Lab	94.6711, -6.0337, 0.0182

# Details

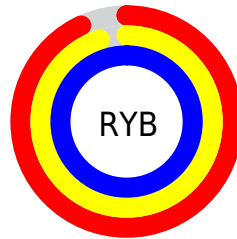
The Yxy color **89.6261, 0.3023, 0.3200** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.2410, 0.3234, 0.3378**, and the grayscale version is **89.2855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6553, 0.3002, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **77.8407, 0.2862, 0.3053**, and if you desaturate by 10%, it is **99.8736, 0.3139, 0.3309**.

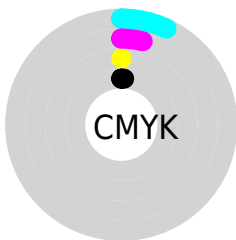
# Distribution



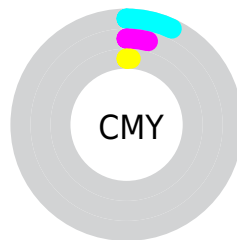
- Red (93%)
- Green (96%)
- Blue (99%)



- Red (93%)
- Yellow (95%)
- Blue (99%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)




- Cyan (7%)
- Magenta (4%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6261, 0.3023, 0.3200 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 89.6261, 0.3023, 0.3200 by changing the saturation by 10% instead.




 89.6261, 0.3023,  
0.3200

 89.6261, 0.3023,  
0.3200


526.8138, 0.3069,  
0.3240

 67.6706, 0.3013,  
0.3191

146.8189, 0.3039,  
0.3214

 49.6298, 0.3000,  
0.3180


182.8250, 0.3045,  
0.3219

 35.1193, 0.2985,  
0.3167

224.2834, 0.3050,  
0.3224

 23.7548, 0.2965,  
0.3150

271.5785, 0.3055,  
0.3228

 15.1518, 0.2939,  
0.3127

325.0947, 0.3059,  
0.3232

 8.9260, 0.2904,  
0.3096

385.2164, 0.3063,

 4.6930, 0.2851,

0.3235

0.3049

452.3280, 0.3066,  
0.3238

■ 2.0683, 0.2766,  
0.2974

■ 0.6467, 0.2554,  
0.2796

■ 89.6261, 0.3023,  
0.3200

■ 89.6261, 0.3023,  
0.3200

■ 77.8407, 0.2862,  
0.3053

99.8736, 0.3139,  
0.3309

■ 67.2114, 0.2697,  
0.2890

■ 57.7018, 0.2529,  
0.2712

■ 49.2690, 0.2364,  
0.2520

■ 41.8670, 0.2206,  
0.2318

■ 35.4456, 0.2061,  
0.2109

■ 29.9493, 0.1935,  
0.1901

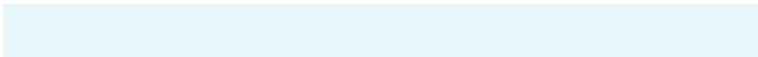
■ 25.3147, 0.1833,  
0.1699

■ 21.4653, 0.1757,  
0.1509

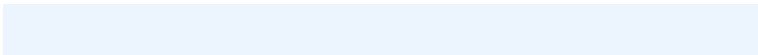
# Harmonies

## Analogous

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



89.6261, 0.3011, 0.3237



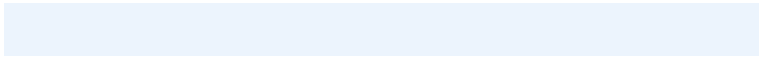
89.6261, 0.3023, 0.3200



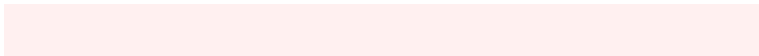
89.6261, 0.3063, 0.3187

# Triad

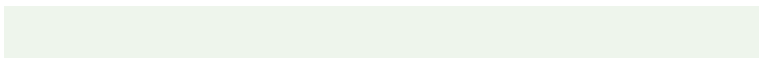
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6261, 0.3023, 0.3200



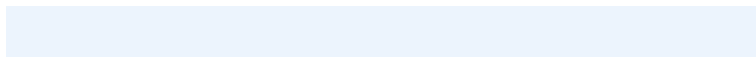
89.6261, 0.3226, 0.3290



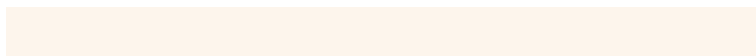
89.6261, 0.3133, 0.3381

# Complementary

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



89.6261, 0.3023, 0.3200



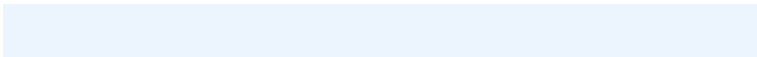
92.2410, 0.3234, 0.3378

# Split Complementary

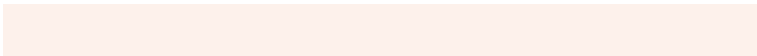
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6261, 0.3191, 0.3395



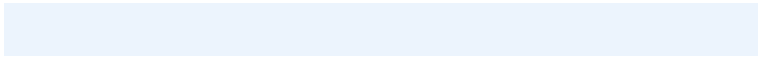
89.6261, 0.3023, 0.3200



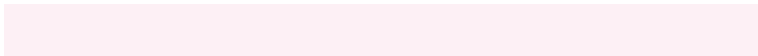
89.6261, 0.3245, 0.3342

# Square

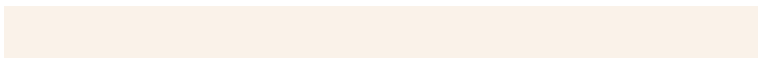
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



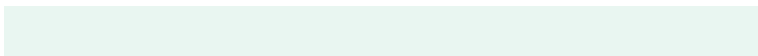
89.6261, 0.3023, 0.3200



89.6261, 0.3180, 0.3239



89.6261, 0.3232, 0.3380

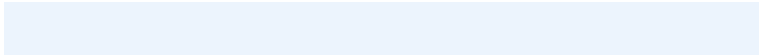


89.6261, 0.3074, 0.3342



# Rectangle

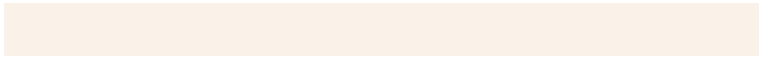
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6261, 0.3023, 0.3200



89.6261, 0.3100, 0.3194



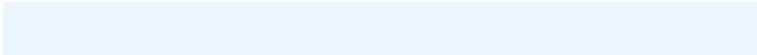
89.6261, 0.3232, 0.3380



89.6261, 0.3153, 0.3389

# Sweetspot

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



89.6299, 0.3023, 0.3200



97.3372, 0.3097, 0.3264



94.6754, 0.3069, 0.3372



20.8622, 0.3098, 0.3265



0.0000, 0.0000, 0.0000

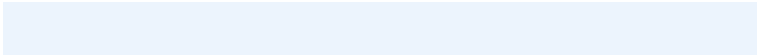


21.4041, 0.3127, 0.3290

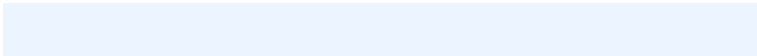


# Same Dimension

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



89.6299, 0.3023, 0.3200



89.6447, 0.3003, 0.3182



84.9464, 0.3025, 0.3119



18.7895, 0.2979, 0.3161



11.1079, 0.1744, 0.1479



1.2982, 0.1803, 0.1692



# Inverse Universe

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



87.3958, 0.3191, 0.3212



86.9926, 0.3204, 0.3197



97.1567, 0.3225, 0.3456



18.1296, 0.3220, 0.3178



11.8493, 0.5086, 0.2576

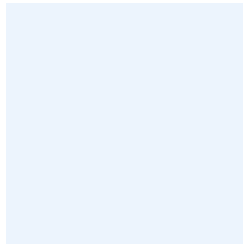


1.1756, 0.4816, 0.2427



# Previews

## White Background



This preview shows how the Yxy color 89.6261, 0.3023, 0.3200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

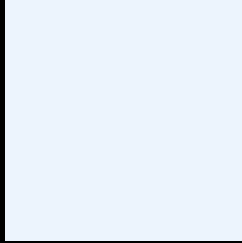
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.6261, 0.3023, 0.3200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

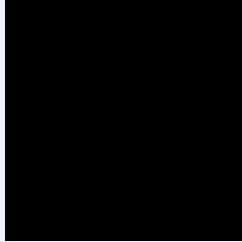
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

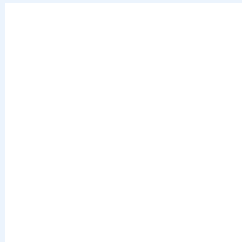
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.6261, 0.3023, 0.3200**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.6261, 0.3023, 0.3200.

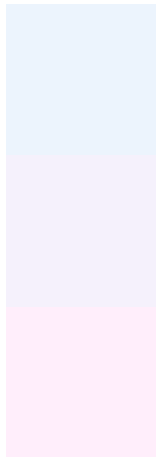


This preview shows how white text looks on a background with the Yxy color 89.6261, 0.3023, 0.3200.

# 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

89.6261, 0.3023, 0.3200

### Protanopia

89.3513, 0.3087, 0.3182

### Deuteranopia

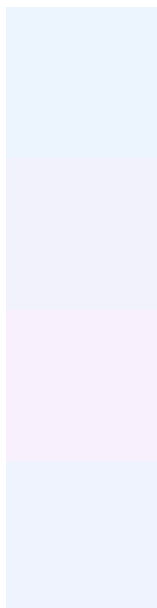
89.3741, 0.3159, 0.3165



## Tritanopia

89.6719, 0.3031, 0.3171

# Trichromacy



## Original Color

89.6261, 0.3023, 0.3200

## Protanomaly

89.4098, 0.3067, 0.3191

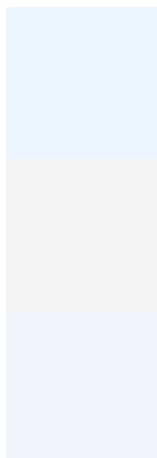
## Deuteranomaly

89.3049, 0.3107, 0.3173

## Tritanomaly

89.4341, 0.3030, 0.3181

# Monochromacy



## Original Color

89.6261, 0.3023, 0.3200

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.3418, 0.3084, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.6261, 0.3023, 0.3200 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(236, 244, 253)` looks like.

```
.text, #text, p{  
    color:rgb(236, 244, 253)  
}
```

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(236, 244, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 244, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 89.6261, 0.3023, 0.3200 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(236, 244, 253) }
```

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

```
.border{ border-color:rgb(236, 244, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 244, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 244, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 244, 253);  
box-shadow:4px 4px 4px 4px rgb(236, 244,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.6261, 0.3023, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 244, 253) }
```

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

```
.background{ background-color: rgb(236,  
244, 253) }
```

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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