

# Converting Colors

Yxy(88.6917, 0.3045, 0.3222)

Have a look what the booklet for  
Yxy(88.6917, 0.3045, 0.3222)  
contains.

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# Color

**Yxy(88.8362, 0.3041, 0.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF3FA
RGB	236, 243, 250
RGB Percent	93%, 95%, 98%
CMY	0.0745, 0.0470, 0.0197
CMYK	0.06, 0.03, 0.00, 0.02
HSL	210°, 58%, 95%
HSV	210°, 6%, 98%
XYZ	83.8978, 88.8362, 103.1548
YIQ	241.7050, -6.4190, 0.6930

# Conversions

## Conversions Part 2

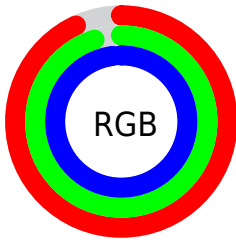
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 241, 250
Decimal	15528954
CIE Lab	95.51, -1.02, -4.17
CIE LCh	96, 4.291, 256.199
Yxy	88.8362, 0.3041, 0.3220
Android (android.graphics.Color)	4293719034 (0xFFECEF3FA)
YUV	241.7050, 4.0894, -5.0033
Hunter-Lab	94.2530, -6.0537, 1.0873

# Details

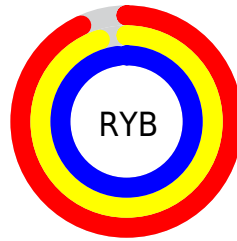
The Yxy color **88.8362, 0.3041, 0.3220** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.4732, 0.3216, 0.3359**, and the grayscale version is **88.5214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1390, 0.3017, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **77.6350, 0.2882, 0.3083**, and if you desaturate by 10%, it is **99.6812, 0.3156, 0.3338**.

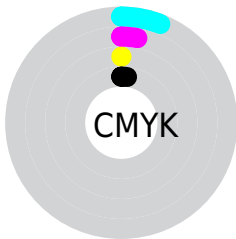
# Distribution



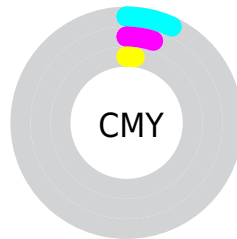
- Red (93%)
- Green (95%)
- Blue (98%)



- Red (93%)
- Yellow (95%)
- Blue (98%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8362, 0.3041, 0.3220 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 88.8362, 0.3041, 0.3220 by changing the saturation by 10% instead.



88.8362, 0.3041,  
0.3220

88.8362, 0.3041,  
0.3220

524.2377, 0.3079,  
0.3251

67.0158, 0.3033,  
0.3213

145.7208, 0.3054,  
0.3231

49.0975, 0.3022,  
0.3205

181.5537, 0.3059,  
0.3235

34.6968, 0.3009,  
0.3194

222.8263, 0.3064,  
0.3239

23.4294, 0.2993,  
0.3181

269.9230, 0.3068,  
0.3242

14.9109, 0.2971,  
0.3163

323.2280, 0.3071,  
0.3245

8.7569, 0.2941,  
0.3138

383.1259, 0.3074,

4.5829, 0.2897,

0.3247

0.3101

450.0010, 0.3077,  
0.3249

■ 2.0047, 0.2826,  
0.3041

■ 0.6102, 0.2617,  
0.2877

■ 88.8362, 0.3041,  
0.3220

■ 88.8362, 0.3041,  
0.3220

■ 77.6350, 0.2882,  
0.3083

■ 99.6812, 0.3156,  
0.3338

■ 67.5024, 0.2718,  
0.2932

■ 58.4053, 0.2553,  
0.2766

■ 50.3045, 0.2391,  
0.2587

■ 43.1580, 0.2235,  
0.2397

■ 36.9198, 0.2093,  
0.2201

■ 31.5390, 0.1969,  
0.2003

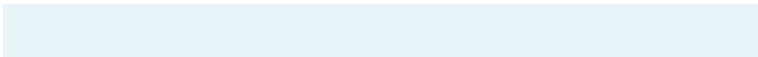
■ 26.9579, 0.1868,  
0.1810

■ 23.1074, 0.1791,  
0.1626

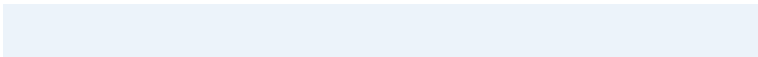
# Harmonies

## Analogous

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



88.8362, 0.3034, 0.3252



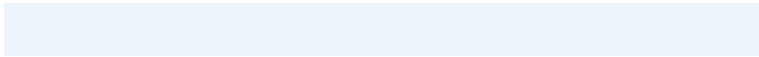
88.8362, 0.3041, 0.3220



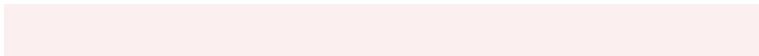
88.8362, 0.3071, 0.3207

# Triad

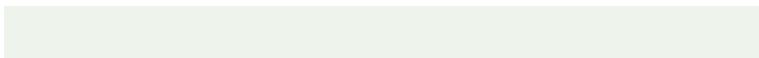
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8362, 0.3041, 0.3220



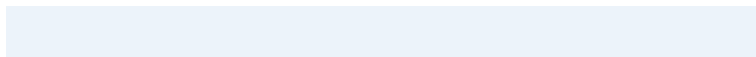
88.8362, 0.3204, 0.3285



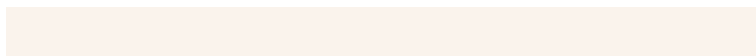
88.8362, 0.3137, 0.3365

# Complementary

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



88.8362, 0.3041, 0.3220



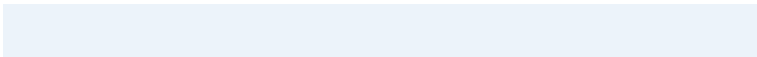
90.4732, 0.3216, 0.3359

# Split Complementary

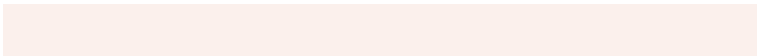
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8362, 0.3183, 0.3374



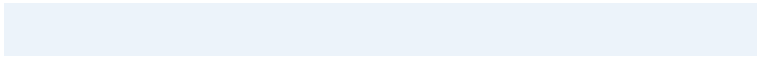
88.8362, 0.3041, 0.3220



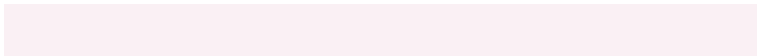
88.8362, 0.3222, 0.3328

# Square

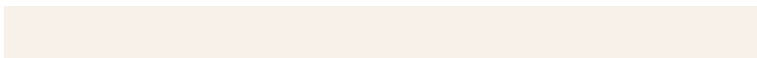
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



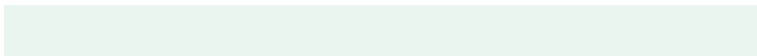
88.8362, 0.3041, 0.3220



88.8362, 0.3165, 0.3245



88.8362, 0.3214, 0.3360

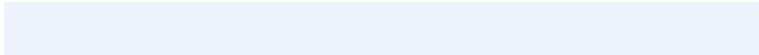


88.8362, 0.3089, 0.3336



# Rectangle

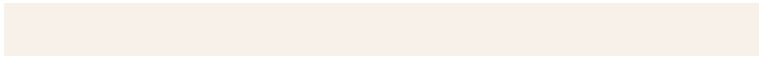
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8362, 0.3041, 0.3220



88.8362, 0.3100, 0.3211



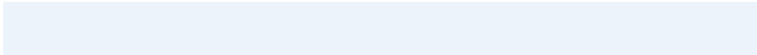
88.8362, 0.3214, 0.3360



88.8362, 0.3154, 0.3371

# Sweetspot

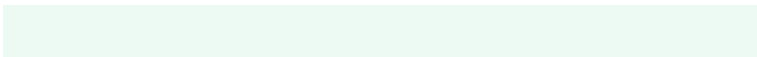
The Sweet Spot groups the original color and five complimentary colors.



88.8400, 0.3041, 0.3220



97.4311, 0.3097, 0.3265



92.6538, 0.3081, 0.3362



20.8813, 0.3098, 0.3267



0.0000, 0.0000, 0.0000

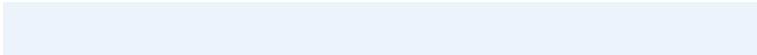


21.4041, 0.3127, 0.3290

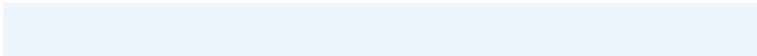


# Same Dimension

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



88.8400, 0.3041, 0.3220



91.2135, 0.3019, 0.3202



84.8660, 0.3042, 0.3152



18.5438, 0.3010, 0.3194



11.7475, 0.1772, 0.1577



1.3000, 0.1831, 0.1793



# Inverse Universe

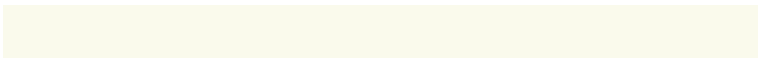
The Inverse Universe completely reimagines the original color for something new.



86.7889, 0.3177, 0.3221



88.5743, 0.3190, 0.3203



94.5959, 0.3210, 0.3425



17.9622, 0.3196, 0.3196



11.5968, 0.4960, 0.2506

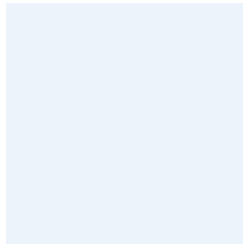


1.0955, 0.4694, 0.2360



# Previews

## White Background



This preview shows how the Yxy color 88.8362, 0.3041, 0.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

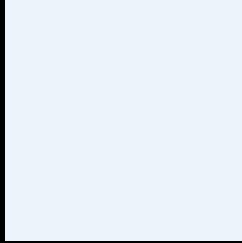
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8362, 0.3041, 0.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

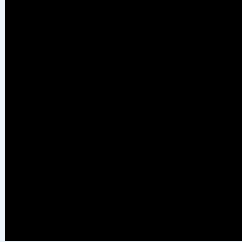
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

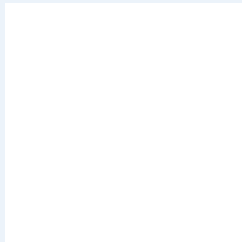
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8362, 0.3041, 0.3220**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8362, 0.3041, 0.3220.

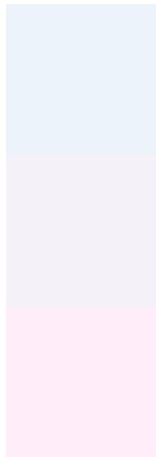


This preview shows how white text looks on a background with the Yxy color 88.8362, 0.3041, 0.3220.

# 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

88.8362, 0.3041, 0.3220

### Protanopia

88.9832, 0.3098, 0.3211

### Deuteranopia

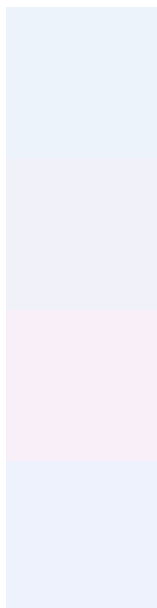
88.6679, 0.3172, 0.3174



## Tritanopia

89.0750, 0.3031, 0.3161

# Trichromacy



## Original Color

88.8362, 0.3041, 0.3220

## Protanomaly

89.0446, 0.3079, 0.3220

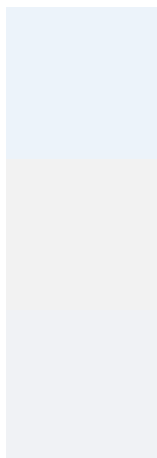
## Deuteranomaly

88.5290, 0.3125, 0.3192

## Tritanomaly

88.7733, 0.3036, 0.3181

# Monochromacy



## Original Color

88.8362, 0.3041, 0.3220

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.6221, 0.3096, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8362, 0.3041, 0.3220 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, 243, 250)` looks like.

```
.text, #text, p{  
    color:rgb(236, 243, 250)  
}
```

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, 243, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 243, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8362, 0.3041, 0.3220 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, 243, 250) }
```

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

```
.border{ border-color:rgb(236, 243, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 243, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 243, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 243, 250);  
box-shadow:4px 4px 4px 4px rgb(236, 243,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8362, 0.3041, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 243, 250) }
```

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

```
.background{ background-color: rgb(236,  
243, 250) }
```

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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