

# Converting Colors

$Yxy(86.8645, 0.3070, 0.3228)$

Have a look what the booklet for  
Yxy(86.8645, 0.3070, 0.3228)  
contains.

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# Color

**Yxy(86.9785, 0.3071, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF0F6
RGB	237, 240, 246
RGB Percent	93%, 94%, 96%
CMY	0.0709, 0.0587, 0.0353
CMYK	0.04, 0.02, 0.00, 0.04
HSL	219°, 33%, 95%
HSV	219°, 4%, 96%
XYZ	82.6969, 86.9785, 99.6079
YIQ	239.7870, -3.7140, 1.2300

# Conversions

## Conversions Part 2

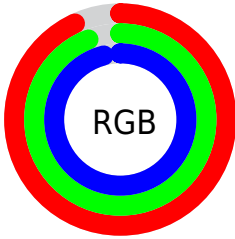
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 239, 246
Decimal	15593718
CIE Lab	94.73, 0.05, -3.24
CIE LCh	95, 3.240, 270.900
Yxy	86.9785, 0.3071, 0.3230
Android (android.graphics.Color)	4293783798 (0xFFEDF0F6)
YUV	239.7870, 3.0630, -2.4442
Hunter-Lab	93.2623, -4.9306, 1.9595

# Details

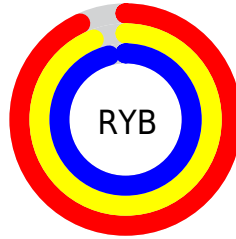
The Yxy color **86.9785, 0.3071, 0.3230** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.7253, 0.3184, 0.3349**, and the grayscale version is **86.9331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8224, 0.3056, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **73.9447, 0.2911, 0.3053**, and if you desaturate by 10%, it is **99.4331, 0.3179, 0.3376**.

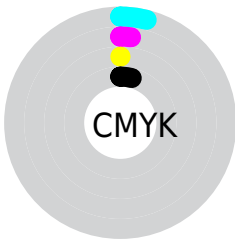
# Distribution



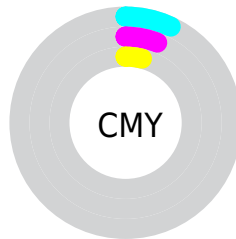
- Red (93%)
- Green (94%)
- Blue (96%)



- Red (93%)
- Yellow (94%)
- Blue (96%)



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



- Cyan (7%)
- Magenta (6%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9785, 0.3071, 0.3230 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 86.9785, 0.3071, 0.3230 by changing the saturation by 10% instead.



86.9785, 0.3071,  
0.3230

86.9785, 0.3071,  
0.3230

518.1522, 0.3096,  
0.3257

65.4774, 0.3065,  
0.3224

143.1342, 0.3080,  
0.3239

47.8483, 0.3059,  
0.3217

178.5575, 0.3083,  
0.3243

33.7068, 0.3050,  
0.3208

219.3905, 0.3086,  
0.3246

22.6684, 0.3039,  
0.3196

266.0174, 0.3088,  
0.3249

14.3489, 0.3025,  
0.3181

318.8226, 0.3091,  
0.3251

8.3637, 0.3005,  
0.3159

378.1905, 0.3093,

4.3285, 0.2975,

0.3253

0.3127

444.5056, 0.3095,  
0.3255

■ 1.8590, 0.2926,  
0.3074

■ 0.5235, 0.2743,  
0.2878

■ 86.9785, 0.3071,  
0.3230

■ 86.9785, 0.3071,  
0.3230

■ 73.9447, 0.2911,  
0.3053

■ 99.4331, 0.3179,  
0.3376

■ 62.2889, 0.2741,  
0.2856

■ 51.9668, 0.2564,  
0.2637

■ 42.9276, 0.2384,  
0.2401

■ 35.1168, 0.2207,  
0.2152

■ 28.4756, 0.2039,  
0.1896

■ 22.9397, 0.1891,  
0.1644

■ 18.4371, 0.1768,  
0.1406

■ 14.8846, 0.1676,  
0.1193

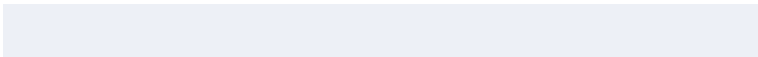
# Harmonies

## Analogous

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



86.9785, 0.3056, 0.3248



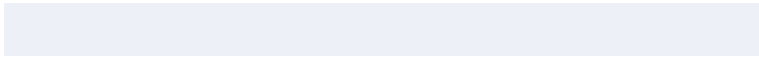
86.9785, 0.3071, 0.3230



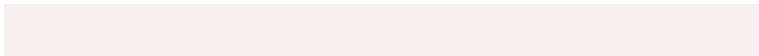
86.9785, 0.3101, 0.3228

# Triad

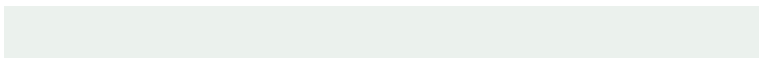
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9785, 0.3071, 0.3230



86.9785, 0.3194, 0.3303



86.9785, 0.3117, 0.3338

# Complementary

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



86.9785, 0.3071, 0.3230



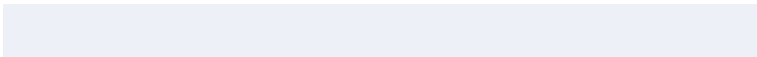
89.7253, 0.3184, 0.3349

# Split Complementary

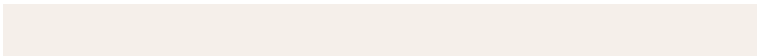
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9785, 0.3154, 0.3353



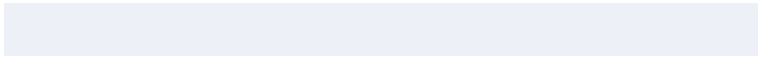
86.9785, 0.3071, 0.3230



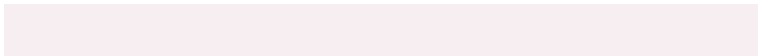
86.9785, 0.3199, 0.3332

# Square

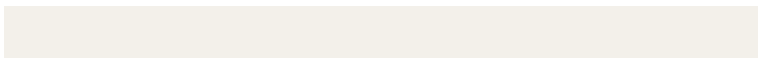
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9785, 0.3071, 0.3230



86.9785, 0.3172, 0.3270



86.9785, 0.3184, 0.3351

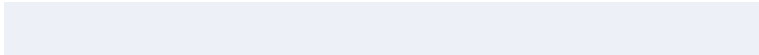


86.9785, 0.3083, 0.3310



# Rectangle

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



86.9785, 0.3071, 0.3230



86.9785, 0.3125, 0.3237



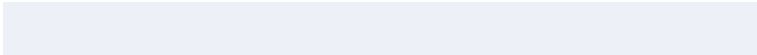
86.9785, 0.3184, 0.3351



86.9785, 0.3129, 0.3345

# Sweetspot

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



86.9822, 0.3071, 0.3230



98.4560, 0.3112, 0.3274



90.3543, 0.3088, 0.3322



21.0899, 0.3113, 0.3275



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.



86.9822, 0.3071, 0.3230



93.9177, 0.3066, 0.3225



85.3983, 0.3081, 0.3199



18.1943, 0.3055, 0.3212



7.2102, 0.1640, 0.1104



0.8175, 0.1709, 0.1353



# Inverse Universe

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



86.4039, 0.3168, 0.3259



93.2400, 0.3172, 0.3256



91.3594, 0.3173, 0.3380



18.0394, 0.3181, 0.3250



10.8272, 0.5604, 0.2861

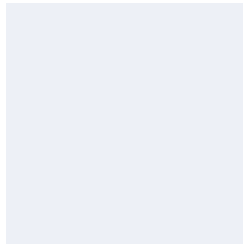


0.9702, 0.5255, 0.2668



# Previews

## White Background



This preview shows how the Yxy color 86.9785, 0.3071, 0.3230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

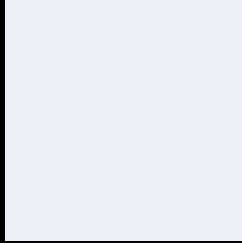
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.9785, 0.3071, 0.3230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

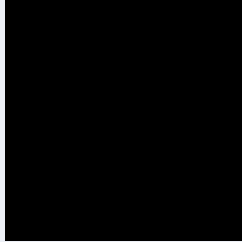
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

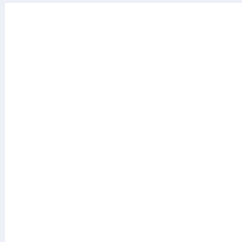
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.9785, 0.3071, 0.3230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.9785, 0.3071, 0.3230.

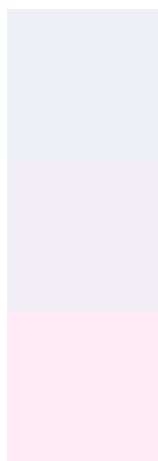


This preview shows how white text looks on a background with the Yxy color 86.9785, 0.3071, 0.3230.

# 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

86.9785, 0.3071, 0.3230

### Protanopia

86.6189, 0.3111, 0.3220

### Deuteranopia

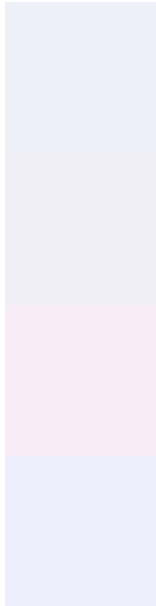
86.7595, 0.3193, 0.3173



## Tritanopia

86.7198, 0.3031, 0.3121

# Trichromacy



## Original Color

86.9785, 0.3071, 0.3230

## Protanomaly

86.8508, 0.3097, 0.3230

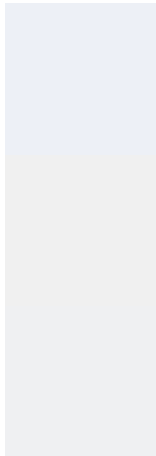
## Deuteranomaly

86.6012, 0.3145, 0.3192

## Tritanomaly

86.9384, 0.3042, 0.3160

# Monochromacy



## Original Color

86.9785, 0.3071, 0.3230

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.0817, 0.3108, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.9785, 0.3071, 0.3230 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(237, 240, 246)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 246)  
}
```

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(237, 240, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 86.9785, 0.3071, 0.3230 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(237, 240, 246) }
```

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

```
.border{ border-color:rgb(237, 240, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 246);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.9785, 0.3071, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 246) }
```

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

```
.background{ background-color: rgb(237,  
240, 246) }
```

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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