

Converting Colors

Yxy(87.4760, 0.3061, 0.3218)

Have a look what the booklet for
Yxy(87.4760, 0.3061, 0.3218)
contains.

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Color

Yxy(87.6924, 0.3059, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	EDF1F8
RGB	237, 241, 248
RGB Percent	93%, 95%, 97%
CMY	0.0708, 0.0548, 0.0275
CMYK	0.04, 0.03, 0.00, 0.03
HSL	218°, 44%, 95%
HSV	218°, 4%, 97%
XYZ	83.3078, 87.6924, 101.3365
YIQ	240.6020, -4.6310, 1.3290

Conversions

Conversions Part 2

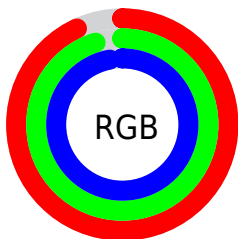
Format	Color
R _Y B	237, 240, 248
Decimal	15593976
CIE Lab	95.03, -0.08, -3.84
CIE LCh	95, 3.836, 268.821
Yxy	87.6924, 0.3059, 0.3220
Android (android.graphics.Color)	4293784056 (0xFFEDF1F8)
YUV	240.6020, 3.6472, -3.1590
Hunter-Lab	93.6442, -5.0802, 1.3907

Details

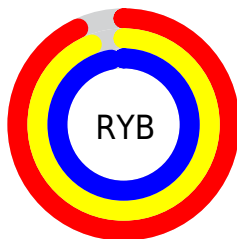
The Yxy color **87.6924, 0.3059, 0.3220** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.7149, 0.3196, 0.3359**, and the grayscale version is **87.6033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3275, 0.3041, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **74.8533, 0.2899, 0.3049**, and if you desaturate by 10%, it is **99.5570, 0.3168, 0.3357**.

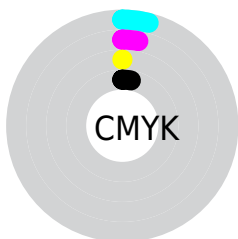
Distribution



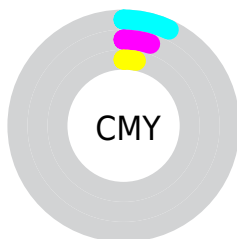
- Red (93%)
- Green (95%)
- Blue (97%)



- Red (93%)
- Yellow (94%)
- Blue (97%)



- Cyan (4%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)



- Cyan (7%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6924, 0.3059, 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 87.6924, 0.3059, 0.3220 by changing the saturation by 10% instead.

87.6924, 0.3059,
0.3220

87.6924, 0.3059,
0.3220

520.4954, 0.3090,
0.3251

66.0684, 0.3052,
0.3213

144.1288, 0.3069,
0.3231

48.3279, 0.3044,
0.3205

179.7100, 0.3073,
0.3235

34.0866, 0.3034,
0.3194

220.7124, 0.3077,
0.3239

22.9602, 0.3021,
0.3181

267.5203, 0.3080,
0.3242

14.5641, 0.3003,
0.3163

320.5181, 0.3083,
0.3245

8.5140, 0.2979,
0.3138

380.0903, 0.3085,

4.4256, 0.2943,

0.3247

0.3101

446.6213, 0.3088,
0.3249

■ 1.9144, 0.2885,
0.3040

■ 0.5570, 0.2692,
0.2843

■ 87.6924, 0.3059,
0.3220

■ 87.6924, 0.3059,
0.3220

■ 74.8533, 0.2899,
0.3049

■ 99.5570, 0.3168,
0.3357

■ 63.3518, 0.2729,
0.2858

■ 53.1452, 0.2554,
0.2647

■ 44.1841, 0.2376,
0.2419

■ 36.4159, 0.2203,
0.2179

■ 29.7834, 0.2040,
0.1932

■ 24.2242, 0.1896,
0.1688

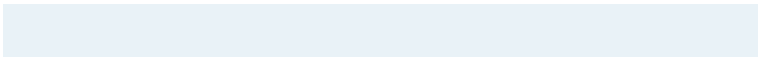
■ 19.6681, 0.1778,
0.1457

■ 16.0334, 0.1689,
0.1248

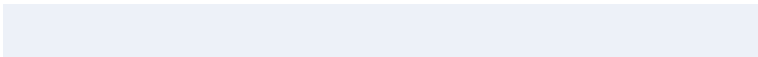
Harmonies

Analogous

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



87.6924, 0.3043, 0.3242



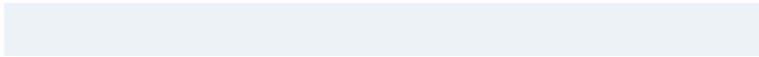
87.6924, 0.3059, 0.3220



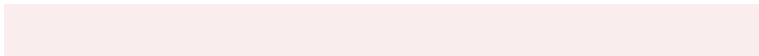
87.6924, 0.3093, 0.3217

Triad

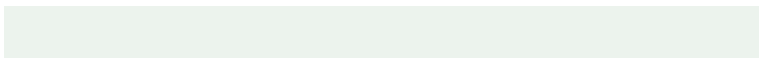
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6924, 0.3059, 0.3220



87.6924, 0.3205, 0.3302



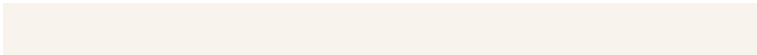
87.6924, 0.3118, 0.3349

Complementary

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



87.6924, 0.3059, 0.3220



90.7149, 0.3196, 0.3359

Split Complementary

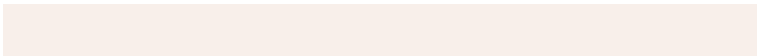
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6924, 0.3161, 0.3365



87.6924, 0.3059, 0.3220



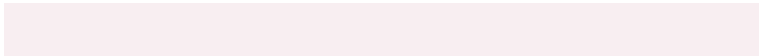
87.6924, 0.3212, 0.3338

Square

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



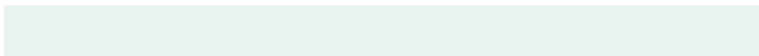
87.6924, 0.3059, 0.3220



87.6924, 0.3178, 0.3264



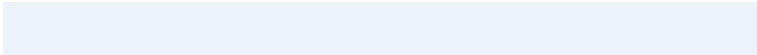
87.6924, 0.3196, 0.3361



87.6924, 0.3077, 0.3316

Rectangle

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



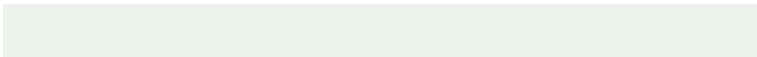
87.6924, 0.3059, 0.3220



87.6924, 0.3122, 0.3226



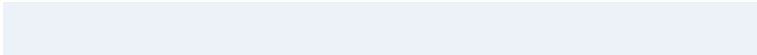
87.6924, 0.3196, 0.3361



87.6924, 0.3132, 0.3356

Sweetspot

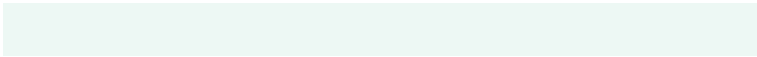
The Sweet Spot groups the original color and five complimentary colors.



87.6961, 0.3059, 0.3220



98.4978, 0.3112, 0.3275



91.6427, 0.3082, 0.3332



21.0984, 0.3113, 0.3275



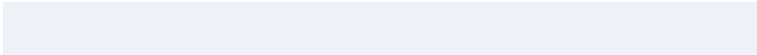
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



87.6961, 0.3059, 0.3220



92.6380, 0.3050, 0.3211



85.5287, 0.3068, 0.3179



18.7791, 0.3040, 0.3200



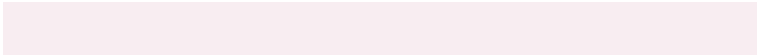
8.0033, 0.1659, 0.1173



0.9362, 0.1725, 0.1409

Inverse Universe

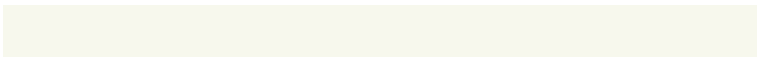
The Inverse Universe completely reimagines the original color for something new.



86.8423, 0.3175, 0.3250



91.6261, 0.3182, 0.3245



92.9628, 0.3185, 0.3399



18.5461, 0.3190, 0.3238



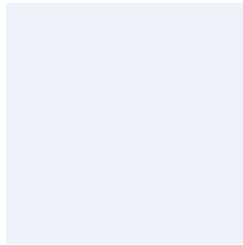
11.2188, 0.5505, 0.2806



1.0587, 0.5179, 0.2627

Previews

White Background



This preview shows how the Yxy color 87.6924, 0.3059, 0.3220 looks on a white background.

Color Contrast Check

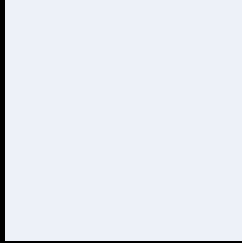
Large Text (above 18pt) WCAG AA × Fail

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 87.6924, 0.3059, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

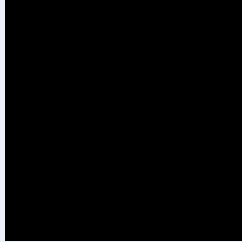
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

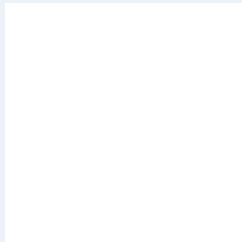
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6924, 0.3059, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 87.6924, 0.3059, 0.3220.

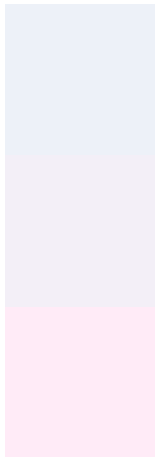


This preview shows how white text looks on a background with the Yxy color 87.6924, 0.3059, 0.3220.

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

87.6924, 0.3059, 0.3220

Protanopia

87.5031, 0.3105, 0.3211

Deuteranopia

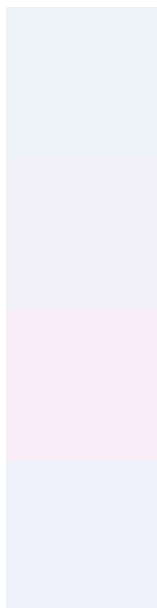
87.3921, 0.3186, 0.3174



Tritanopia

87.8909, 0.3031, 0.3141

Trichromacy



Original Color

87.6924, 0.3059, 0.3220

Protanomaly

87.7363, 0.3091, 0.3220

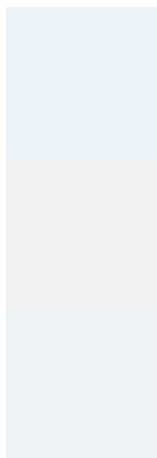
Deuteranomaly

87.2402, 0.3138, 0.3192

Tritanomaly

87.5256, 0.3042, 0.3170

Monochromacy



Original Color

87.6924, 0.3059, 0.3220

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9675, 0.3103, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6924, 0.3059, 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(237, 241, 248)` looks like.

```
.text, #text, p{  
    color:rgb(237, 241, 248)  
}
```

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, 241, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 241, 248) }
```

Border

The CSS property to change the border of an element to Yxy 87.6924, 0.3059, 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(237, 241, 248) }
```

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

```
.border{ border-color:rgb(237, 241, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 241, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 241, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 241, 248);  
box-shadow:4px 4px 4px 4px rgb(237, 241,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6924, 0.3059, 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(237, 241, 248) }
```

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

```
.background{ background-color: rgb(237,  
241, 248) }
```

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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