

Converting Colors

$Yxy(90.0200, 0.3017, 0.3223)$

Have a look what the booklet for
Yxy(90.0200, 0.3017, 0.3223)
contains.

| | |
|--|----|
| Yxy(89.8255, 0.3017, 0.3220) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(89.8255, 0.3017, 0.3220)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EA5FC |
| RGB | 234, 245, 252 |
| RGB Percent | 92%, 96%, 99% |
| CMY | 0.0822, 0.0392, 0.0119 |
| CMYK | 0.07, 0.03, 0.00, 0.01 |
| HSL | 203°, 75%, 95% |
| HSV | 203°, 7%, 99% |
| XYZ | 84.1626, 89.8255, 104.9731 |
| YIQ | 242.5090, -8.8030, -0.1550 |

Conversions

Conversions Part 2

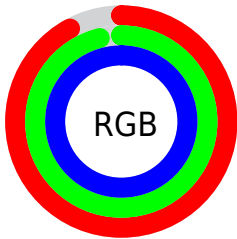
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 234, 241, 252 |
| Decimal | 15398396 |
| CIE Lab | 95.92, -2.30, -4.60 |
| CIE LCh | 96, 5.145, 243.481 |
| Yxy | 89.8255, 0.3017, 0.3220 |
| Android (android.graphics.Color) | 4293588476 (0xFFEAF5FC) |
| YUV | 242.5090, 4.6791, -7.4624 |
| Hunter-Lab | 94.7763, -7.3483, 0.6745 |

Details

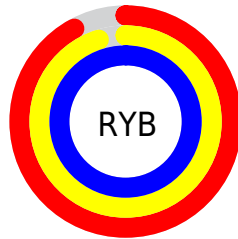
The Yxy color **89.8255, 0.3017, 0.3220** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.5597, 0.3243, 0.3359**, and the grayscale version is **89.1915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8003, 0.2994, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **80.0840, 0.2860, 0.3112**, and if you desaturate by 10%, it is **99.6814, 0.3145, 0.3317**.

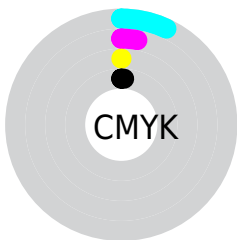
Distribution



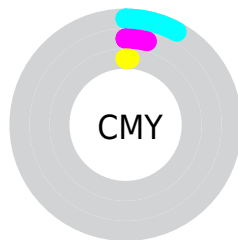
- Red (92%)
- Green (96%)
- Blue (99%)



- Red (92%)
- Yellow (95%)
- Blue (99%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (8%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8255, 0.3017, 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 89.8255, 0.3017, 0.3220 by changing the saturation by 10% instead.

89.8255, 0.3017,
0.3220

89.8255, 0.3017,
0.3220

527.4630, 0.3066,
0.3251

67.8359, 0.3006,
0.3213

147.0960, 0.3034,
0.3231

49.7643, 0.2993,
0.3205

183.1457, 0.3040,
0.3235

35.2261, 0.2977,
0.3194

224.6509, 0.3046,
0.3239

23.8371, 0.2956,
0.3181

271.9959, 0.3051,
0.3242

15.2128, 0.2929,
0.3163

325.5653, 0.3055,
0.3245

8.9689, 0.2891,
0.3138

385.7433, 0.3059,

4.7209, 0.2836,

0.3247

0.3101

452.9145, 0.3063,
0.3249

■ 2.0845, 0.2747,
0.3040

■ 0.6559, 0.2509,
0.2901

■ 89.8255, 0.3017,
0.3220

■ 89.8255, 0.3017,
0.3220

■ 80.0840, 0.2860,
0.3112

99.6814, 0.3145,
0.3317

■ 71.2295, 0.2701,
0.2994

99.8065, 0.3145,
0.3319

■ 63.2337, 0.2546,
0.2864

■ 56.0621, 0.2397,
0.2726

■ 49.6772, 0.2259,
0.2580

■ 44.0381, 0.2135,
0.2429

■ 39.0987, 0.2031,
0.2276

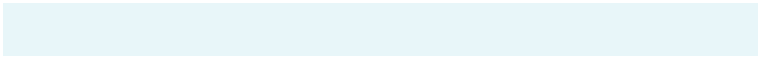
■ 34.8057, 0.1948,
0.2125

■ 31.0923, 0.1886,
0.1977

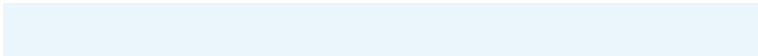
Harmonies

Analogous

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



89.8255, 0.3021, 0.3265



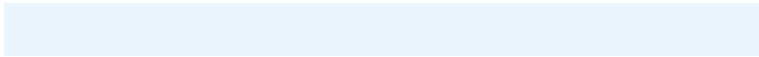
89.8255, 0.3017, 0.3220



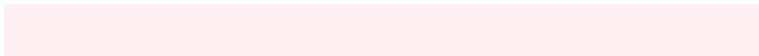
89.8255, 0.3042, 0.3194

Triad

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



89.8255, 0.3017, 0.3220



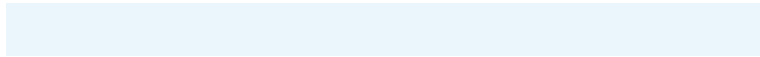
89.8255, 0.3201, 0.3263



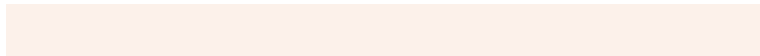
89.8255, 0.3164, 0.3388

Complementary

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



89.8255, 0.3017, 0.3220



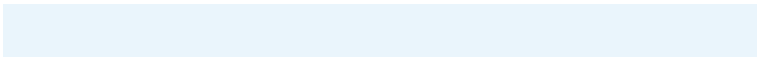
89.5597, 0.3243, 0.3359

Split Complementary

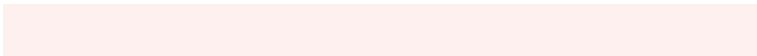
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8255, 0.3213, 0.3387



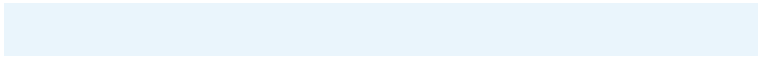
89.8255, 0.3017, 0.3220



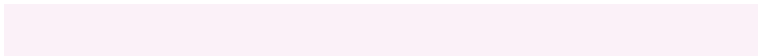
89.8255, 0.3235, 0.3314

Square

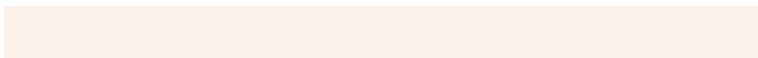
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



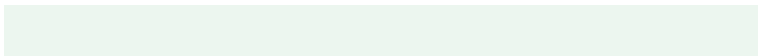
89.8255, 0.3017, 0.3220



89.8255, 0.3148, 0.3219



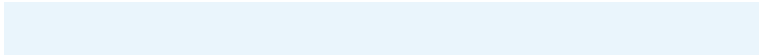
89.8255, 0.3239, 0.3359



89.8255, 0.3105, 0.3363

Rectangle

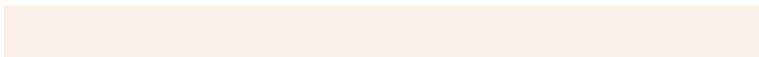
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.8255, 0.3017, 0.3220



89.8255, 0.3072, 0.3192



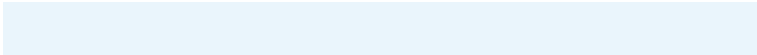
89.8255, 0.3239, 0.3359



89.8255, 0.3182, 0.3391

Sweetspot

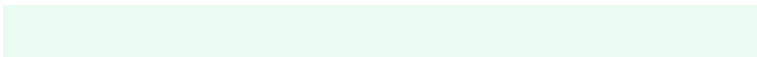
The Sweet Spot groups the original color and five complimentary colors.



89.8293, 0.3017, 0.3220



97.7854, 0.3096, 0.3271



93.4501, 0.3079, 0.3401



20.9534, 0.3098, 0.3272



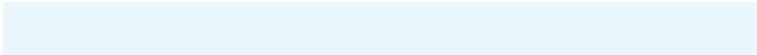
0.0000, 0.0000, 0.0000



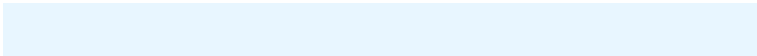
21.4041, 0.3127, 0.3290

Same Dimension

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



89.8293, 0.3017, 0.3220



90.3360, 0.2987, 0.3200



84.5991, 0.3018, 0.3130



18.4077, 0.2980, 0.3195



15.9785, 0.1878, 0.1960



1.6858, 0.1927, 0.2135

Inverse Universe

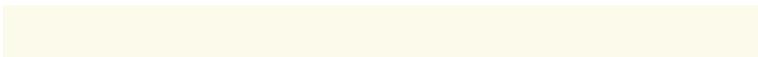
The Inverse Universe completely reimagines the original color for something new.



86.1563, 0.3179, 0.3183



85.6593, 0.3194, 0.3154



94.9309, 0.3235, 0.3445



17.4034, 0.3198, 0.3146



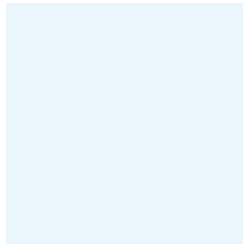
12.0239, 0.4499, 0.2252



1.1344, 0.4303, 0.2144

Previews

White Background



This preview shows how the Yxy color 89.8255, 0.3017, 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 89.8255, 0.3017, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

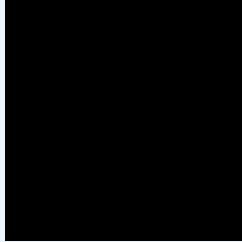
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

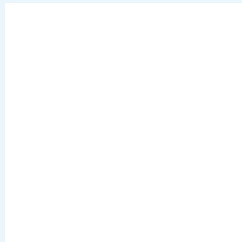
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8255, 0.3017, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 89.8255, 0.3017, 0.3220.

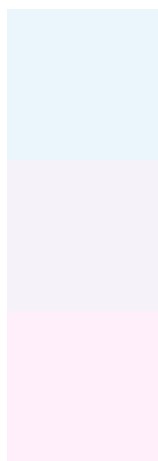


This preview shows how white text looks on a background with the Yxy color 89.8255, 0.3017, 0.3220.

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

89.8255, 0.3017, 0.3220

Protanopia

89.8189, 0.3099, 0.3211

Deuteranopia

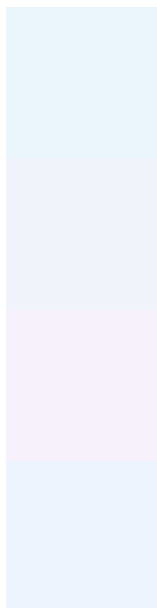
89.8951, 0.3165, 0.3184



Tritanopia

89.6719, 0.3031, 0.3171

Trichromacy



Original Color

89.8255, 0.3017, 0.3220

Protanomaly

89.7670, 0.3067, 0.3211

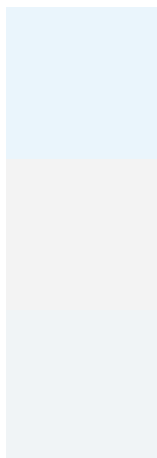
Deuteranomaly

89.6498, 0.3106, 0.3192

Tritanomaly

89.8616, 0.3024, 0.3191

Monochromacy



Original Color

89.8255, 0.3017, 0.3220

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.8805, 0.3090, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8255, 0.3017, 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(234, 245, 252)` looks like.

```
.text, #text, p{  
    color:rgb(234, 245, 252)  
}
```

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(234, 245, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 245, 252) }
```

Border

The CSS property to change the border of an element to Yxy 89.8255, 0.3017, 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(234, 245, 252) }
```

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

```
.border{ border-color:rgb(234, 245, 252) }
```

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

Here you see how a box with a 4 pixel rgb(234, 245, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 245, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 245, 252);  
box-shadow:4px 4px 4px 4px rgb(234, 245,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8255, 0.3017, 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(234, 245, 252) }
```

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

```
.background{ background-color: rgb(234,  
245, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor