

Converting Colors

Yxy(86.6851, 0.3018, 0.3166)

Have a look what the booklet for
Yxy(86.6851, 0.3018, 0.3166)
contains.

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Color

Yxy(86.8409, 0.3017, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	EAFOFC
RGB	234, 240, 252
RGB Percent	92%, 94%, 99%
CMY	0.0822, 0.0589, 0.0117
CMYK	0.07, 0.05, 0.00, 0.01
HSL	220°, 75%, 95%
HSV	220°, 7%, 99%
XYZ	82.6756, 86.8409, 104.5160
YIQ	239.5740, -7.4280, 2.4600

Conversions

Conversions Part 2

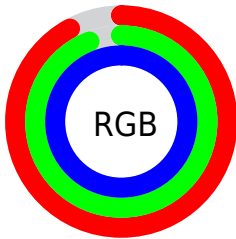
Format	Color
R _Y B	234, 239, 252
Decimal	15397116
CIE Lab	94.67, 0.26, -6.48
CIE LCh	95, 6.483, 272.314
Yxy	86.8409, 0.3017, 0.3169
Android (android.graphics.Color)	4293587196 (0xFFEAF0FC)
YUV	239.5740, 6.1260, -4.8884
Hunter-Lab	93.1885, -4.7169, -1.2651

Details

The Yxy color **86.8409, 0.3017, 0.3169** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.6002, 0.3238, 0.3408**, and the grayscale version is **86.7508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6861, 0.2994, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **73.4038, 0.2853, 0.2981**, and if you desaturate by 10%, it is **99.8096, 0.3144, 0.3318**.

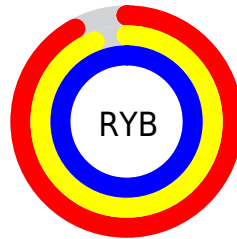
Distribution



Red (92%)

Green (94%)

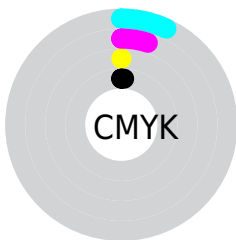
Blue (99%)



Red (92%)

Yellow (94%)

Blue (99%)

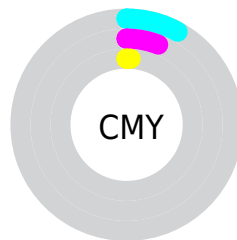


Cyan (7%)

Magenta (5%)

Yellow (0%)

Black (1%)



Cyan (8%)


Magenta (6%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8409, 0.3017, 0.3169 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 86.8409, 0.3017, 0.3169 by changing the saturation by 10% instead.


 86.8409, 0.3017,
0.3169

 86.8409, 0.3017,
0.3169

517.6999, 0.3066,
0.3223

 65.3636, 0.3006,
0.3157


142.9424, 0.3034,
0.3187

 47.7559, 0.2993,
0.3142


178.3353, 0.3040,
0.3195

 33.6336, 0.2976,
0.3124


219.1355, 0.3046,
0.3201

 22.6123, 0.2955,
0.3101

265.7274, 0.3051,
0.3207

 14.3075, 0.2927,
0.3070

318.4954, 0.3056,
0.3211

 8.3348, 0.2888,
0.3027

377.8239, 0.3060,

 4.3099, 0.2830,

0.3216

0.2964

444.0973, 0.3063,
0.3220

■ 1.8484, 0.2735,
0.2860

■ 0.5171, 0.2450,
0.2545

■ 86.8409, 0.3017,
0.3169

■ 86.8409, 0.3017,
0.3169

■ 73.4038, 0.2853,
0.2981

99.8096, 0.3144,
0.3318

■ 61.4423, 0.2679,
0.2772

■ 50.9067, 0.2499,
0.2542

■ 41.7402, 0.2317,
0.2296

■ 33.8818, 0.2141,
0.2038

■ 27.2655, 0.1977,
0.1778

■ 21.8183, 0.1835,
0.1526

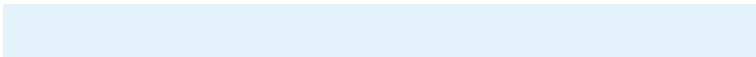
■ 17.4582, 0.1722,
0.1294

■ 14.0868, 0.1641,
0.1092

Harmonies

Analogous

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



86.8409, 0.2986, 0.3202



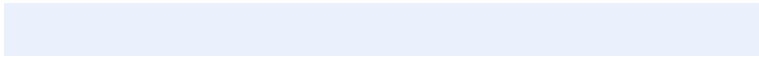
86.8409, 0.3017, 0.3169



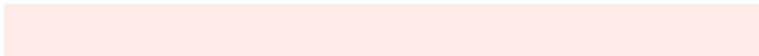
86.8409, 0.3077, 0.3168

Triad

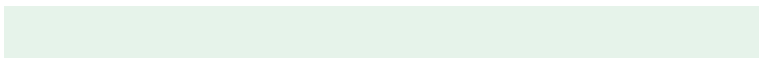
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8409, 0.3017, 0.3169



86.8409, 0.3263, 0.3318



86.8409, 0.3102, 0.3385

Complementary

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



86.8409, 0.3017, 0.3169



92.6002, 0.3238, 0.3408

Split Complementary

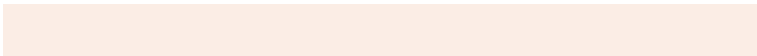
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8409, 0.3176, 0.3416



86.8409, 0.3017, 0.3169



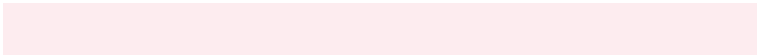
86.8409, 0.3270, 0.3376

Square

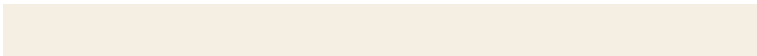
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8409, 0.3017, 0.3169



86.8409, 0.3220, 0.3253



86.8409, 0.3238, 0.3412



86.8409, 0.3035, 0.3327

Rectangle

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



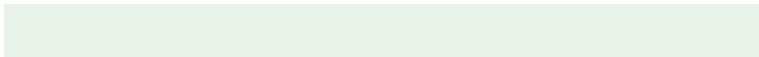
86.8409, 0.3017, 0.3169



86.8409, 0.3126, 0.3185



86.8409, 0.3238, 0.3412



86.8409, 0.3127, 0.3398

Sweetspot

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



86.8446, 0.3017, 0.3169



96.8871, 0.3097, 0.3257



93.7897, 0.3050, 0.3350



20.7705, 0.3098, 0.3259



0.0000, 0.0000, 0.0000



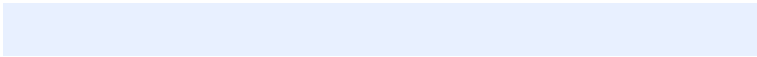
21.4041, 0.3127, 0.3290

Same Dimension

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



86.8446, 0.3017, 0.3169



86.4928, 0.2987, 0.3135



83.9130, 0.3037, 0.3110



17.5807, 0.2979, 0.3127



7.1511, 0.1631, 0.1070



0.8479, 0.1696, 0.1305

Inverse Universe

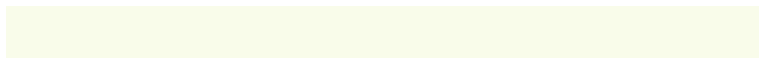
The Inverse Universe completely reimagines the original color for something new.



85.8618, 0.3211, 0.3232



85.2713, 0.3235, 0.3216



95.7214, 0.3214, 0.3466



17.3199, 0.3242, 0.3212



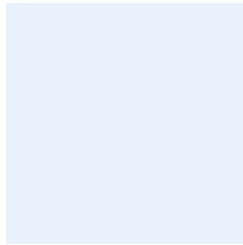
11.1328, 0.5654, 0.2888



1.0498, 0.5320, 0.2704

Previews

White Background



This preview shows how the Yxy color 86.8409, 0.3017, 0.3169 looks on a white background.

Color Contrast Check

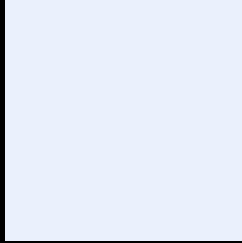
Large Text (above 18pt) WCAG AA × Fail

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 86.8409, 0.3017, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

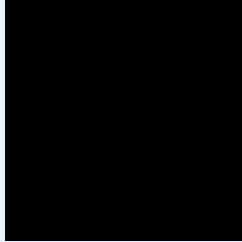
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

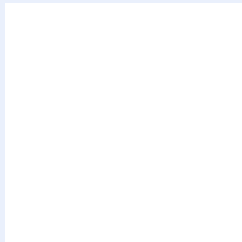
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8409, 0.3017, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 86.8409, 0.3017, 0.3169.

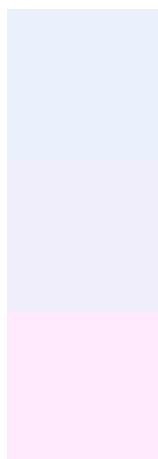


This preview shows how white text looks on a background with the Yxy color 86.8409, 0.3017, 0.3169.

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

86.8409, 0.3017, 0.3169

Protanopia

86.6394, 0.3061, 0.3161

Deuteranopia

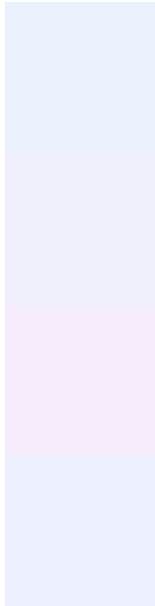
86.5661, 0.3156, 0.3106



Tritanopia

86.7859, 0.3012, 0.3130

Trichromacy



Original Color

86.8409, 0.3017, 0.3169

Protanomaly

86.8752, 0.3048, 0.3170

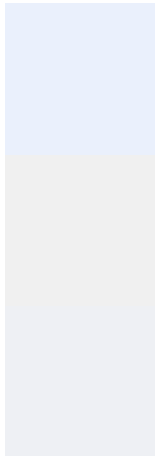
Deuteranomaly

86.7933, 0.3102, 0.3133

Tritanomaly

86.5509, 0.3012, 0.3140

Monochromacy



Original Color

86.8409, 0.3017, 0.3169

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.0290, 0.3090, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8409, 0.3017, 0.3169 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, 240, 252)` looks like.

```
.text, #text, p{  
    color:rgb(234, 240, 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, 240, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 240, 252) }
```

Border

The CSS property to change the border of an element to Yxy 86.8409, 0.3017, 0.3169 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, 240, 252) }
```

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

```
.border{ border-color:rgb(234, 240, 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, 240, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 240, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 240, 252);  
box-shadow:4px 4px 4px 4px rgb(234, 240,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8409, 0.3017, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 240, 252) }
```

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

```
.background{ background-color: rgb(234,  
240, 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](#).

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