

Converting Colors

Yxy(84.3631, 0.3064, 0.3229)

Have a look what the booklet for
Yxy(84.3631, 0.3064, 0.3229)
contains.

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Color

Yxy(84.3631, 0.3064, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	E9EDF3
RGB	233, 237, 243
RGB Percent	91%, 93%, 95%
CMY	0.0865, 0.0705, 0.0471
CMYK	0.04, 0.02, 0.00, 0.05
HSL	216°, 29%, 93%
HSV	216°, 4%, 95%
XYZ	80.0522, 84.3631, 96.8517
YIQ	236.4880, -4.3100, 1.0180

Conversions

Conversions Part 2

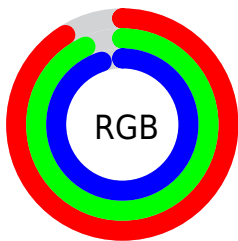
Format	Color
R _Y B	233, 236, 243
Decimal	15330803
CIE Lab	93.61, -0.26, -3.36
CIE LCh	94, 3.375, 265.579
Yxy	84.3631, 0.3064, 0.3229
Android (android.graphics.Color)	4293520883 (0xFFE9EDF3)
YUV	236.4880, 3.2104, -3.0590
Hunter-Lab	91.8494, -5.1631, 1.7755

Details

The Yxy color **84.3631, 0.3064, 0.3229** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6196, 0.3191, 0.3350**, and the grayscale version is **84.2481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9827, 0.3046, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **72.5244, 0.2905, 0.3069**, and if you desaturate by 10%, it is **97.0171, 0.3199, 0.3372**.

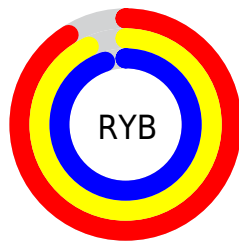
Distribution



Red (91%)

Green (93%)

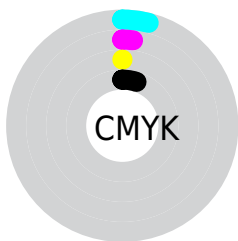
Blue (95%)



Red (91%)

Yellow (93%)

Blue (95%)

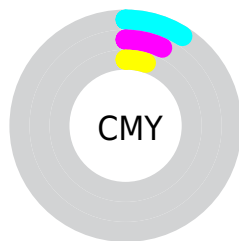


Cyan (4%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (9%)

Magenta (7%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3631, 0.3064, 0.3229 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 84.3631, 0.3064, 0.3229 by changing the saturation by 10% instead.

84.3631, 0.3064,
0.3229

84.3631, 0.3064,
0.3229

509.5182, 0.3092,
0.3257

63.3153, 0.3058,
0.3223

139.4830, 0.3074,
0.3238

46.0963, 0.3050,
0.3215

174.3238, 0.3078,
0.3242

32.3218, 0.3040,
0.3206

214.5311, 0.3081,
0.3245

21.6074, 0.3028,
0.3194

260.4893, 0.3084,
0.3248

13.5687, 0.3011,
0.3178

312.5826, 0.3086,
0.3251

7.8213, 0.2988,
0.3155

371.1957, 0.3089,

3.9808, 0.2953,

0.3253

0.3121

436.7127, 0.3091,
0.3255

■ 1.6628, 0.2895,
0.3064

■ 0.3994, 0.2587,
0.2768

■ 84.3631, 0.3064,
0.3229

■ 84.3631, 0.3064,
0.3229

■ 72.5244, 0.2905,
0.3069

■ 97.0171, 0.3199,
0.3372

■ 61.8803, 0.2737,
0.2890

■ 99.2506, 0.3197,
0.3405

■ 52.3937, 0.2565,
0.2693

■ 44.0212, 0.2392,
0.2480

■ 36.7165, 0.2223,
0.2254

■ 30.4293, 0.2065,
0.2021

■ 25.1045, 0.1925,
0.1789

■ 20.6805, 0.1809,
0.1566

■ 17.0848, 0.1721,
0.1360

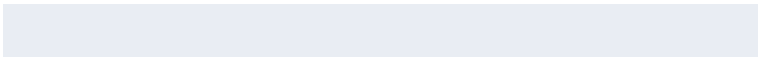
Harmonies

Analogous

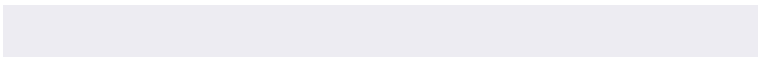
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3631, 0.3052, 0.3250



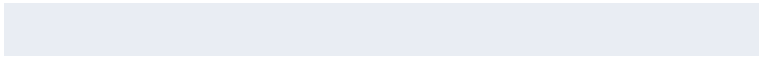
84.3631, 0.3064, 0.3229



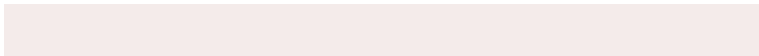
84.3631, 0.3093, 0.3224

Triad

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



84.3631, 0.3064, 0.3229



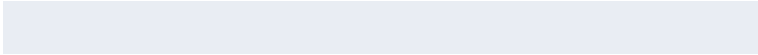
84.3631, 0.3195, 0.3297



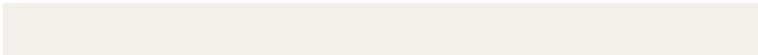
84.3631, 0.3123, 0.3345

Complementary

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



84.3631, 0.3064, 0.3229



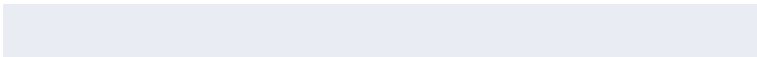
86.6196, 0.3191, 0.3350

Split Complementary

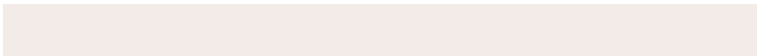
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3631, 0.3161, 0.3357



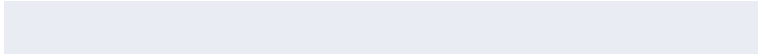
84.3631, 0.3064, 0.3229



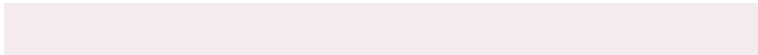
84.3631, 0.3203, 0.3330

Square

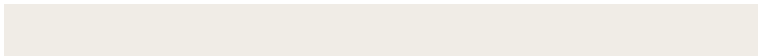
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



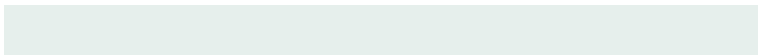
84.3631, 0.3064, 0.3229



84.3631, 0.3169, 0.3263



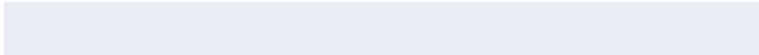
84.3631, 0.3191, 0.3351



84.3631, 0.3086, 0.3317

Rectangle

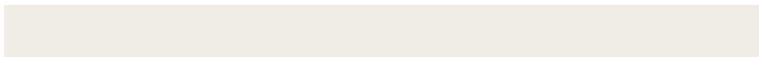
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3631, 0.3064, 0.3229



84.3631, 0.3118, 0.3231



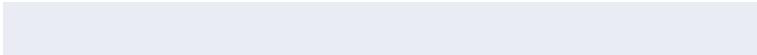
84.3631, 0.3191, 0.3351



84.3631, 0.3136, 0.3351

Sweetspot

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



84.3667, 0.3064, 0.3229



98.5562, 0.3112, 0.3276



87.6326, 0.3087, 0.3332



21.1103, 0.3113, 0.3276



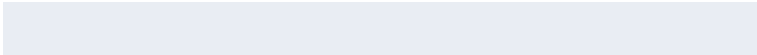
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.3667, 0.3064, 0.3229



92.9206, 0.3050, 0.3216



82.1755, 0.3071, 0.3187



18.0286, 0.3040, 0.3205



8.6505, 0.1688, 0.1278



0.9566, 0.1757, 0.1524

Inverse Universe

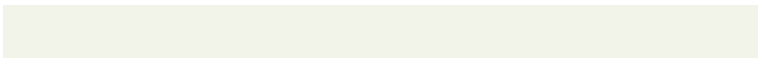
The Inverse Universe completely reimagines the original color for something new.



83.4179, 0.3169, 0.3249



91.6546, 0.3179, 0.3240



88.8821, 0.3183, 0.3391



17.7499, 0.3186, 0.3233



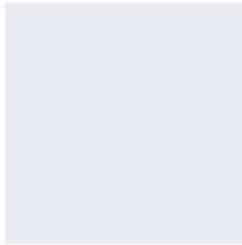
10.9726, 0.5357, 0.2725



0.9842, 0.5028, 0.2543

Previews

White Background



This preview shows how the Yxy color 84.3631, 0.3064, 0.3229 looks on a white background.

Color Contrast Check

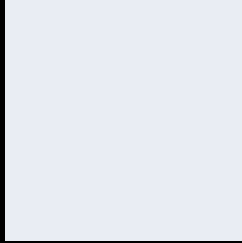
Large Text (above 18pt) WCAG AA × Fail

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 84.3631, 0.3064, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

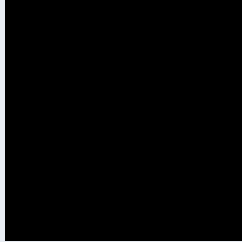
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

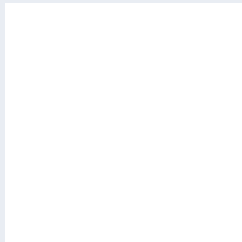
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3631, 0.3064, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 84.3631, 0.3064, 0.3229.

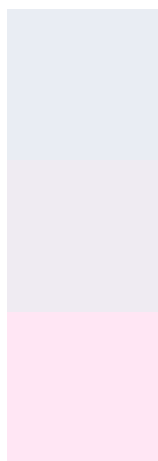


This preview shows how white text looks on a background with the Yxy color 84.3631, 0.3064, 0.3229.

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

84.3631, 0.3064, 0.3229

Protanopia

84.1782, 0.3110, 0.3219

Deuteranopia

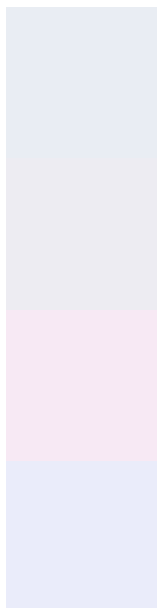
84.3853, 0.3209, 0.3153



Tritanopia

84.2346, 0.3012, 0.3099

Trichromacy



Original Color

84.3631, 0.3064, 0.3229

Protanomaly

84.4062, 0.3097, 0.3229

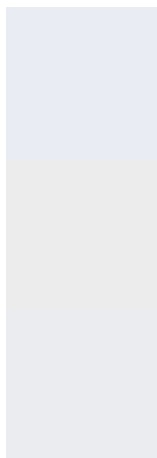
Deuteranomaly

84.5836, 0.3152, 0.3181

Tritanomaly

84.3855, 0.3029, 0.3148

Monochromacy



Original Color

84.3631, 0.3064, 0.3229

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.8851, 0.3102, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3631, 0.3064, 0.3229 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(233, 237, 243)` looks like.

```
.text, #text, p{  
    color:rgb(233, 237, 243)  
}
```

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(233, 237, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 237, 243) }
```

Border

The CSS property to change the border of an element to Yxy 84.3631, 0.3064, 0.3229 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(233, 237, 243) }
```

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

```
.border{ border-color:rgb(233, 237, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 237, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 237, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 237, 243);  
box-shadow:4px 4px 4px 4px rgb(233, 237,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3631, 0.3064, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 237, 243) }
```

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

```
.background{ background-color: rgb(233,  
237, 243) }
```

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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