

Converting Colors

$Yxy(84.3700, 0.3177, 0.3334)$

Have a look what the booklet for
Yxy(84.3700, 0.3177, 0.3334)
contains.

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Color

Yxy(84.3424, 0.3179, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	F0ECE8
RGB	240, 236, 232
RGB Percent	94%, 93%, 91%
CMY	0.0588, 0.0745, 0.0903
CMYK	0.00, 0.02, 0.03, 0.06
HSL	30°, 21%, 93%
HSV	30°, 3%, 94%
XYZ	80.4937, 84.3424, 88.3684
YIQ	236.7400, 3.6680, -0.3960

Conversions

Conversions Part 2

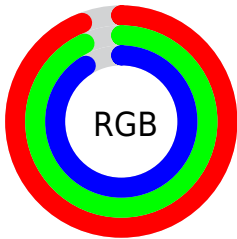
Format	Color
R _Y B	240, 240, 232
Decimal	15789288
CIE Lab	93.60, 0.64, 2.41
CIE LCh	94, 2.493, 75.006
Yxy	84.3424, 0.3179, 0.3331
Android (android.graphics.Color)	4293979368 (0xFFFF0ECE8)
YUV	236.7400, -2.3368, 2.8590
Hunter-Lab	91.8381, -4.2662, 7.2367

Details

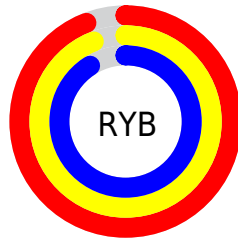
The Yxy color **84.3424, 0.3179, 0.3331** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.4214, 0.3076, 0.3249**, and the grayscale version is **84.4955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9675, 0.3194, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **76.4201, 0.3349, 0.3459**, and if you desaturate by 10%, it is **92.8552, 0.3036, 0.3221**.

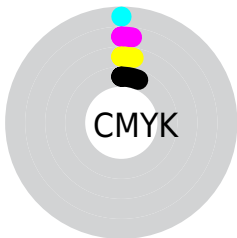
Distribution



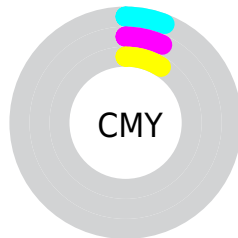
- Red (94%)
- Green (93%)
- Blue (91%)



- Red (94%)
- Yellow (94%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3424, 0.3179, 0.3331 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 84.3424, 0.3179, 0.3331 by changing the saturation by 10% instead.

84.3424, 0.3179,
0.3331

84.3424, 0.3179,
0.3331

509.4496, 0.3156,
0.3313

63.2982, 0.3184,
0.3335

139.4540, 0.3171,
0.3325

46.0825, 0.3191,
0.3340

174.2902, 0.3168,
0.3322

32.3109, 0.3199,
0.3346

214.4925, 0.3165,
0.3320

21.5991, 0.3209,
0.3354

260.4454, 0.3163,
0.3318

13.5626, 0.3223,
0.3365

312.5331, 0.3161,
0.3317

7.8171, 0.3242,
0.3380

371.1401, 0.3159,

3.9781, 0.3271,

0.3315

0.3403

436.6508, 0.3157,
0.3314

■ 1.6613, 0.3320,
0.3440

■ 0.3984, 0.3727,
0.3765

■ 84.3424, 0.3179,
0.3331

■ 84.3424, 0.3179,
0.3331

■ 76.4201, 0.3349,
0.3459

■ 92.8552, 0.3036,
0.3221

■ 69.1246, 0.3543,
0.3593

■ 97.2652, 0.3035,
0.3290

■ 62.4422, 0.3762,
0.3730

■ 56.3549, 0.4005,
0.3864

■ 50.8434, 0.4268,
0.3986

■ 45.8873, 0.4543,
0.4086

■ 41.4643, 0.4818,
0.4150

■ 37.5501, 0.5075,
0.4165

■ 34.1168, 0.5298,
0.4126

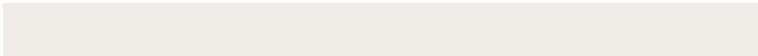
Harmonies

Analogous

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



84.3424, 0.3183, 0.3311



84.3424, 0.3179, 0.3331



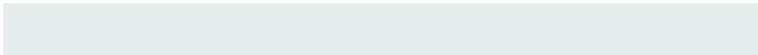
84.3424, 0.3161, 0.3340

Triad

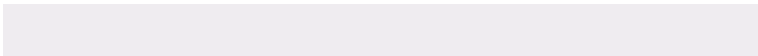
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3424, 0.3179, 0.3331



84.3424, 0.3083, 0.3294



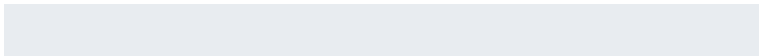
84.3424, 0.3120, 0.3246

Complementary

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



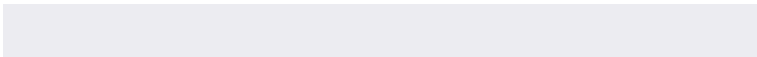
84.3424, 0.3179, 0.3331



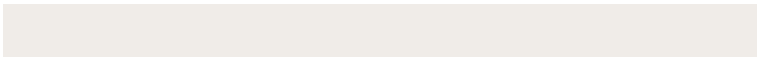
83.4214, 0.3076, 0.3249

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.



84.3424, 0.3093, 0.3241



84.3424, 0.3179, 0.3331



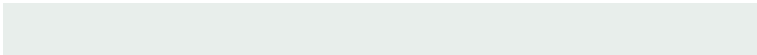
84.3424, 0.3072, 0.3269

Square

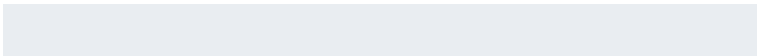
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3424, 0.3179, 0.3331



84.3424, 0.3106, 0.3318



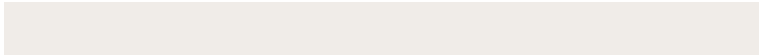
84.3424, 0.3076, 0.3249



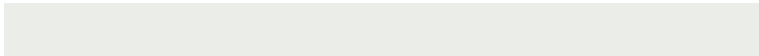
84.3424, 0.3149, 0.3263

Rectangle

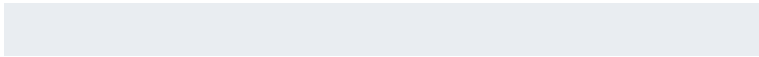
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



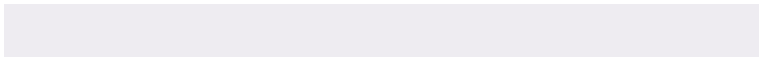
84.3424, 0.3179, 0.3331



84.3424, 0.3144, 0.3338



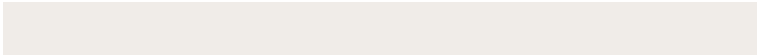
84.3424, 0.3076, 0.3249



84.3424, 0.3110, 0.3243

Sweetspot

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



84.3461, 0.3179, 0.3331



99.0293, 0.3142, 0.3302



82.2853, 0.3156, 0.3249



21.2066, 0.3142, 0.3302



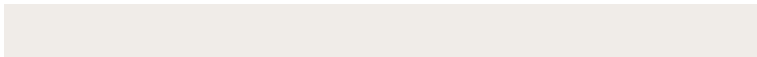
0.0000, 0.0000, 0.0000



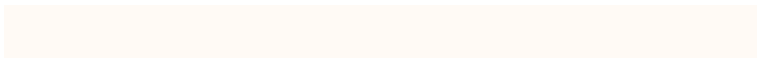
21.4041, 0.3127, 0.3290

Same Dimension

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



84.3461, 0.3179, 0.3331



96.1622, 0.3190, 0.3339



86.6703, 0.3176, 0.3371



17.8853, 0.3201, 0.3348



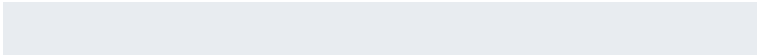
17.8247, 0.5400, 0.4094



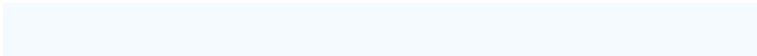
1.6819, 0.5199, 0.4254

Inverse Universe

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



83.4214, 0.3076, 0.3249



94.8928, 0.3066, 0.3240



81.1489, 0.3077, 0.3207



17.6060, 0.3054, 0.3231



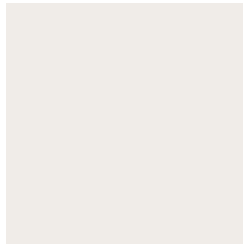
10.9999, 0.1770, 0.1572



1.1140, 0.1836, 0.1810

Previews

White Background



This preview shows how the Yxy color 84.3424, 0.3179, 0.3331 looks on a white background.

Color Contrast Check

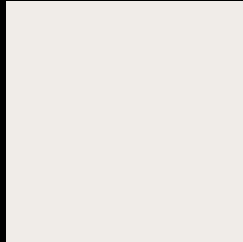
Large Text (above 18pt) WCAG AA × Fail

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 84.3424, 0.3179, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

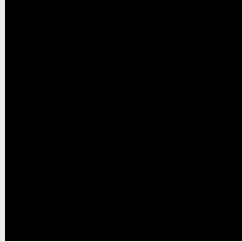
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

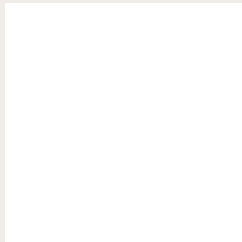
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3424, 0.3179, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 84.3424, 0.3179, 0.3331.

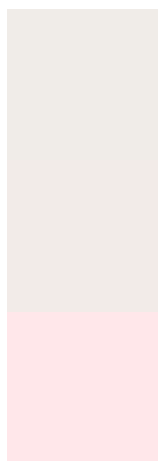


This preview shows how white text looks on a background with the Yxy color 84.3424, 0.3179, 0.3331.

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

84.3424, 0.3179, 0.3331

Protanopia

84.1201, 0.3193, 0.3321

Deuteranopia

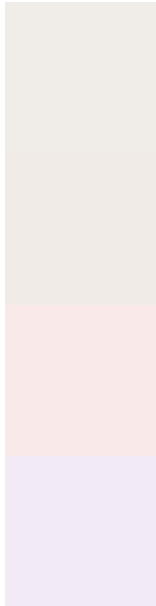
84.3523, 0.3273, 0.3261



Tritanopia

84.2975, 0.3082, 0.3111

Trichromacy



Original Color

84.3424, 0.3179, 0.3331

Protanomaly

83.9436, 0.3186, 0.3321

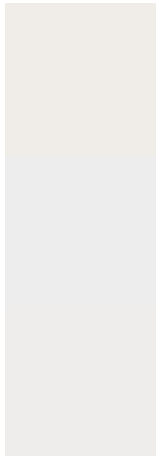
Deuteranomaly

84.4850, 0.3243, 0.3290

Tritanomaly

84.2545, 0.3118, 0.3190

Monochromacy



Original Color

84.3424, 0.3179, 0.3331

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.7437, 0.3146, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3424, 0.3179, 0.3331 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(240, 236, 232) looks like.

```
.text, #text, p{  
    color:rgb(240, 236, 232)  
}
```

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(240, 236, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 236, 232) }
```

Border

The CSS property to change the border of an element to Yxy 84.3424, 0.3179, 0.3331 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(240, 236, 232) }
```

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

```
.border{ border-color:rgb(240, 236, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 236, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 236, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 236, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 236,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3424, 0.3179, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 236, 232) }
```

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

```
.background{ background-color: rgb(240,  
236, 232) }
```

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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