

Converting Colors

Yxy(84.4165, 0.3123, 0.3379)

Have a look what the booklet for
Yxy(84.4165, 0.3123, 0.3379)
contains.

Yxy(84.2692, 0.3123, 0.3383)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.2692, 0.3123, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	E6EFE6
RGB	230, 239, 230
RGB Percent	90%, 94%, 90%
CMY	0.0979, 0.0628, 0.0980
CMYK	0.04, 0.00, 0.04, 0.06
HSL	120°, 22%, 92%
HSV	120°, 4%, 94%
XYZ	77.7927, 84.2692, 87.0342
YIQ	235.2830, -2.4750, -4.7070

Conversions

Conversions Part 2

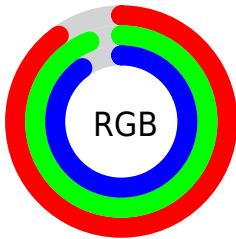
Format	Color
R _Y B	230, 239, 239
Decimal	15134694
CIE Lab	93.57, -4.57, 3.30
CIE LCh	94, 5.635, 144.191
Yxy	84.2692, 0.3123, 0.3383
Android (android.graphics.Color)	4293324774 (0xFFE6EFE6)
YUV	235.2830, -2.6045, -4.6332
Hunter-Lab	91.7983, -9.3805, 8.0458

Details

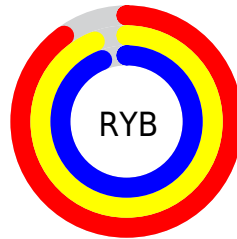
The Yxy color **84.2692, 0.3123, 0.3383** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.1749, 0.3131, 0.3199**, and the grayscale version is **83.3331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0761, 0.3122, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **79.3447, 0.3111, 0.3655**, and if you desaturate by 10%, it is **89.9234, 0.3134, 0.3146**.

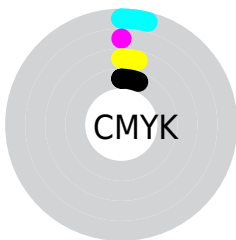
Distribution



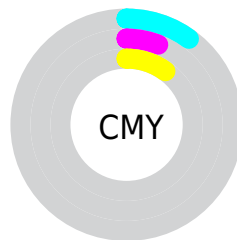
- Red (90%)
- Green (94%)
- Blue (90%)



- Red (90%)
- Yellow (94%)
- Blue (94%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (6%)





- Cyan (10%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2692, 0.3123, 0.3383 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 84.2692, 0.3123, 0.3383 by changing the saturation by 10% instead.


 84.2692, 0.3123,
0.3383

 84.2692, 0.3123,
0.3383

509.2068, 0.3125,
0.3341

 63.2377, 0.3123,
0.3392


139.3517, 0.3124,
0.3369

 46.0335, 0.3122,
0.3404


174.1715, 0.3124,
0.3363

 32.2723, 0.3121,
0.3419


214.3562, 0.3124,
0.3358

 21.5696, 0.3120,
0.3437


260.2901, 0.3124,
0.3354

 13.5410, 0.3119,
0.3463

312.3578, 0.3125,
0.3350

 7.8021, 0.3116,
0.3498

370.9435, 0.3125,

 3.9686, 0.3113,

0.3347

0.3553

436.4317, 0.3125,
0.3344

■ 1.6560, 0.3106,
0.3646

■ 0.3949, 0.3074,
0.4602

■ 84.2692, 0.3123,
0.3383

■ 84.2692, 0.3123,
0.3383

■ 79.3447, 0.3111,
0.3655

■ 89.9234, 0.3134,
0.3146

■ 75.1100, 0.3097,
0.3961

■ 90.2094, 0.3134,
0.3136

■ 71.5376, 0.3081,
0.4299

■ 68.5940, 0.3065,
0.4656

■ 66.2428, 0.3048,
0.5016

■ 64.4440, 0.3032,
0.5352

■ 63.1524, 0.3019,
0.5636

■ 62.3158, 0.3009,
0.5844

■ 61.8711, 0.3002,
0.5962

Harmonies

Analogous

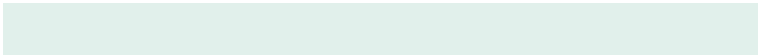
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2692, 0.3187, 0.3403



84.2692, 0.3123, 0.3383



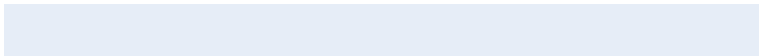
84.2692, 0.3061, 0.3338

Triad

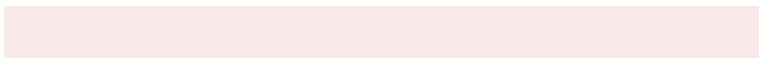
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2692, 0.3123, 0.3383



84.2692, 0.3020, 0.3189



84.2692, 0.3239, 0.3299

Complementary

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



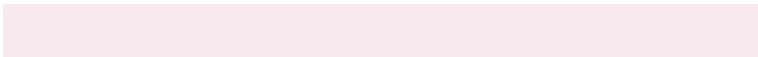
84.2692, 0.3123, 0.3383



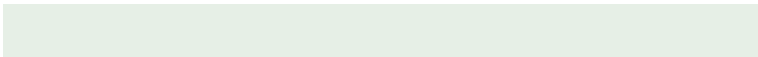
81.1749, 0.3131, 0.3199

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.



84.2692, 0.3194, 0.3243



84.2692, 0.3123, 0.3383



84.2692, 0.3067, 0.3180

Square

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



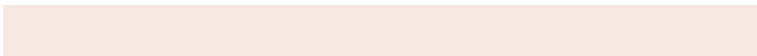
84.2692, 0.3123, 0.3383



84.2692, 0.3002, 0.3225



84.2692, 0.3130, 0.3200



84.2692, 0.3254, 0.3353

Rectangle

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



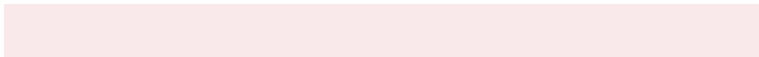
84.2692, 0.3123, 0.3383



84.2692, 0.3029, 0.3300



84.2692, 0.3130, 0.3200



84.2692, 0.3227, 0.3280

Sweetspot

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



84.2728, 0.3123, 0.3383



99.3580, 0.3126, 0.3314



85.7052, 0.3183, 0.3380



21.2735, 0.3126, 0.3313



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.



84.2728, 0.3123, 0.3383



96.8751, 0.3122, 0.3415



84.5148, 0.3096, 0.3338



18.0712, 0.3121, 0.3433



34.1191, 0.3001, 0.5999



2.8393, 0.3003, 0.5998

Inverse Universe

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



81.1749, 0.3131, 0.3199



92.1249, 0.3133, 0.3168



80.9267, 0.3159, 0.3243



17.0673, 0.3133, 0.3151



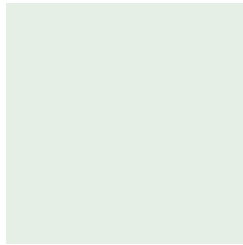
13.5077, 0.3201, 0.1537



1.1246, 0.3202, 0.1538

Previews

White Background



This preview shows how the Yxy color 84.2692, 0.3123, 0.3383 looks on a white background.

Color Contrast Check

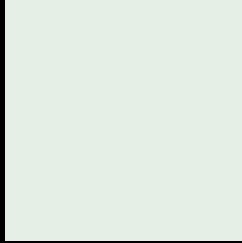
Large Text (above 18pt) WCAG AA × Fail

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 84.2692, 0.3123, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

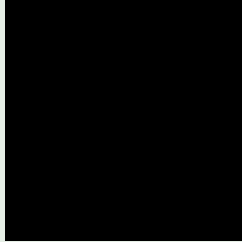
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

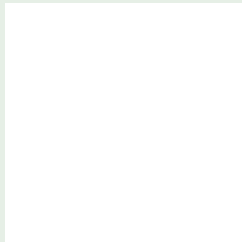
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2692, 0.3123, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 84.2692, 0.3123, 0.3383.

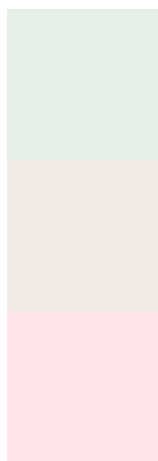


This preview shows how white text looks on a background with the Yxy color 84.2692, 0.3123, 0.3383.

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

84.2692, 0.3123, 0.3383

Protanopia

83.8953, 0.3219, 0.3361

Deuteranopia

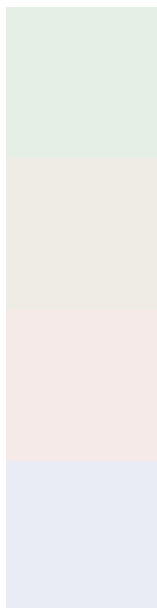
84.2950, 0.3280, 0.3271



Tritanopia

84.0648, 0.3005, 0.3099

Trichromacy



Original Color

84.2692, 0.3123, 0.3383

Protanomaly

83.8252, 0.3184, 0.3362

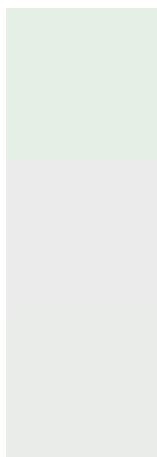
Deuteranomaly

84.2647, 0.3221, 0.3310

Tritanomaly

83.9071, 0.3052, 0.3198

Monochromacy



Original Color

84.2692, 0.3123, 0.3383

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1977, 0.3126, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2692, 0.3123, 0.3383 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(230, 239, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 239, 230)  
}
```

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(230, 239, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 239, 230) }
```

Border

The CSS property to change the border of an element to Yxy 84.2692, 0.3123, 0.3383 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(230, 239, 230) }
```

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

```
.border{ border-color:rgb(230, 239, 230) }
```

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

Here you see how a box with a 4 pixel rgb(230, 239, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 239, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 239, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 239,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2692, 0.3123, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 239, 230) }
```

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

```
.background{ background-color: rgb(230,  
239, 230) }
```

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