

Converting Colors

Yxy(82.9701, 0.3159, 0.3483)

Have a look what the booklet for
Yxy(82.9701, 0.3159, 0.3483)
contains.

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Color

Yxy(83.2312, 0.3164, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	E3EFDC
RGB	227, 239, 220
RGB Percent	89%, 94%, 86%
CMY	0.1099, 0.0627, 0.1373
CMYK	0.05, 0.00, 0.08, 0.06
HSL	98°, 37%, 90%
HSV	98°, 8%, 94%
XYZ	75.4566, 83.2312, 79.7970
YIQ	233.2460, -1.0530, -8.4530

Conversions

Conversions Part 2

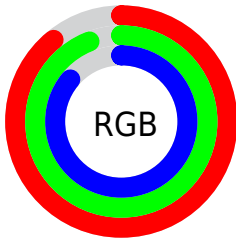
Format	Color
R _Y B	220, 239, 232
Decimal	14938076
CIE Lab	93.12, -7.35, 7.81
CIE LCh	93, 10.728, 133.261
Yxy	83.2312, 0.3164, 0.3490
Android (android.graphics.Color)	4293128156 (0xFFE3EFDC)
YUV	233.2460, -6.5303, -5.4777
Hunter-Lab	91.2311, -12.0185, 12.0027

Details

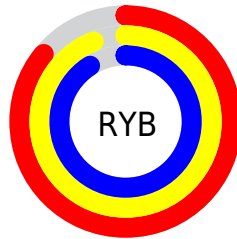
The Yxy color **83.2312, 0.3164, 0.3490** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.5816, 0.3087, 0.3092**, and the grayscale version is **81.7303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3542, 0.3175, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **79.7040, 0.3209, 0.3764**, and if you desaturate by 10%, it is **87.1630, 0.3118, 0.3241**.

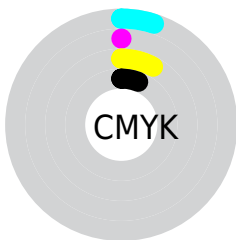
Distribution



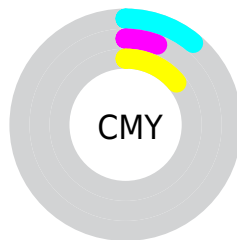
- Red (89%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)





- Cyan (11%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2312, 0.3164, 0.3490 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 83.2312, 0.3164, 0.3490 by changing the saturation by 10% instead.


 83.2312, 0.3164,
0.3490

 83.2312, 0.3164,
0.3490

505.7567, 0.3148,
0.3399

 62.3809, 0.3167,
0.3511


137.8992, 0.3159,
0.3458

 45.3405, 0.3172,
0.3536


172.4857, 0.3156,
0.3446

 31.7257, 0.3177,
0.3568

212.4198, 0.3155,
0.3436

 21.1521, 0.3183,
0.3610

258.0858, 0.3153,
0.3426

 13.2352, 0.3192,
0.3666

309.8680, 0.3151,
0.3418

 7.5907, 0.3203,
0.3746

368.1510, 0.3150,

 3.8342, 0.3218,

0.3411

0.3870

433.3191, 0.3149,
0.3404

■ 1.5813, 0.3239,
0.4084

■ 0.3449, 0.3008,
0.6992

■ 83.2312, 0.3164,
0.3490

■ 83.2312, 0.3164,
0.3490

■ 79.7040, 0.3209,
0.3764

■ 87.1630, 0.3118,
0.3241

■ 76.5574, 0.3251,
0.4061

■ 90.2209, 0.3134,
0.3136

■ 73.7810, 0.3286,
0.4374

■ 71.3601, 0.3312,
0.4694

■ 69.2785, 0.3324,
0.5005

■ 67.5189, 0.3320,
0.5290

■ 66.0621, 0.3298,
0.5530

■ 64.8862, 0.3258,
0.5710

■ 63.9635, 0.3205,
0.5826

Harmonies

Analogous

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



83.2312, 0.3279, 0.3505



83.2312, 0.3164, 0.3490



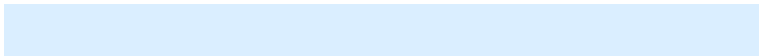
83.2312, 0.3041, 0.3418

Triad

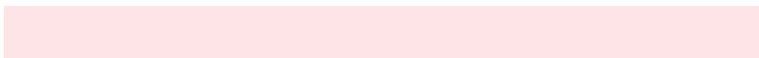
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2312, 0.3164, 0.3490



83.2312, 0.2904, 0.3116



83.2312, 0.3316, 0.3266

Complementary

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



83.2312, 0.3164, 0.3490



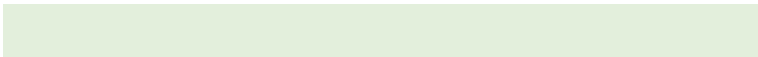
74.5816, 0.3087, 0.3092

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.



83.2312, 0.3212, 0.3167



83.2312, 0.3164, 0.3490



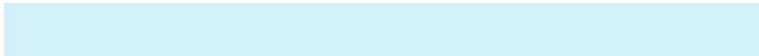
83.2312, 0.2974, 0.3081

Square

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



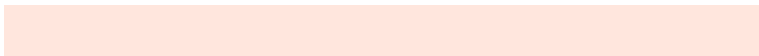
83.2312, 0.3164, 0.3490



83.2312, 0.2892, 0.3200



83.2312, 0.3087, 0.3100



83.2312, 0.3368, 0.3373

Rectangle

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



83.2312, 0.3164, 0.3490



83.2312, 0.2970, 0.3348



83.2312, 0.3087, 0.3100



83.2312, 0.3285, 0.3231

Sweetspot

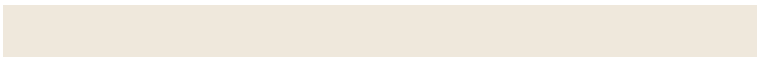
The Sweet Spot groups the original color and five complimentary colors.



83.2348, 0.3164, 0.3490



99.0685, 0.3136, 0.3339



81.0788, 0.3252, 0.3412



21.2145, 0.3136, 0.3336



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.



83.2348, 0.3164, 0.3490



95.5302, 0.3174, 0.3545



82.2421, 0.3104, 0.3469



17.9386, 0.3171, 0.3530



35.3203, 0.3205, 0.5837



2.9929, 0.3307, 0.5756

Inverse Universe

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



74.5816, 0.3087, 0.3092



83.0648, 0.3076, 0.3039



75.6418, 0.3151, 0.3118



15.7248, 0.3079, 0.3053



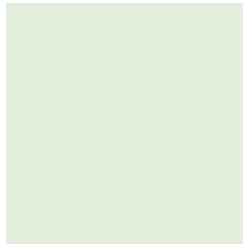
7.1748, 0.2307, 0.1044



0.6531, 0.2425, 0.1110

Previews

White Background



This preview shows how the Yxy color 83.2312, 0.3164, 0.3490 looks on a white background.

Color Contrast Check

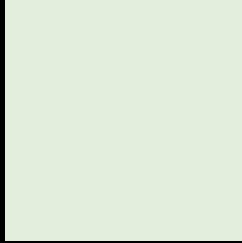
Large Text (above 18pt) WCAG AA × Fail

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 83.2312, 0.3164, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

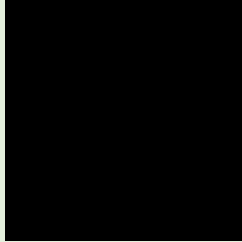
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

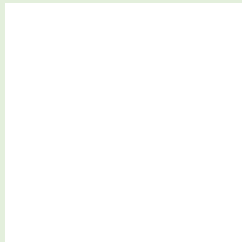
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2312, 0.3164, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 83.2312, 0.3164, 0.3490.

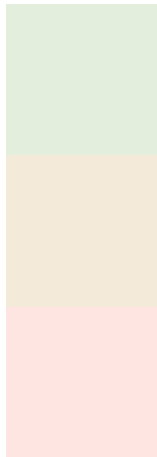


This preview shows how white text looks on a background with the Yxy color 83.2312, 0.3164, 0.3490.

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

83.2312, 0.3164, 0.3490

Protanopia

82.9101, 0.3297, 0.3465

Deuteranopia

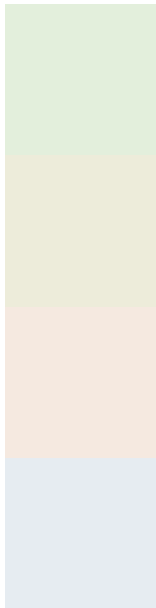
82.7896, 0.3328, 0.3320



Tritanopia

83.0933, 0.2998, 0.3098

Trichromacy



Original Color

83.2312, 0.3164, 0.3490

Protanomaly

83.0574, 0.3247, 0.3477

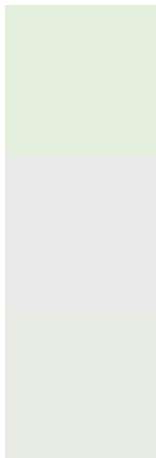
Deuteranomaly

83.0721, 0.3267, 0.3382

Tritanomaly

83.1648, 0.3057, 0.3238

Monochromacy



Original Color

83.2312, 0.3164, 0.3490

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.0070, 0.3144, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2312, 0.3164, 0.3490 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(227, 239, 220)` looks like.

```
.text, #text, p{  
    color:rgb(227, 239, 220)  
}
```

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(227, 239, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 239, 220) }
```

Border

The CSS property to change the border of an element to Yxy 83.2312, 0.3164, 0.3490 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(227, 239, 220) }
```

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

```
.border{ border-color:rgb(227, 239, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 239, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 239, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 239, 220);  
box-shadow:4px 4px 4px 4px rgb(227, 239,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2312, 0.3164, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 239, 220) }
```

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

```
.background{ background-color: rgb(227,  
239, 220) }
```

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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