

Converting Colors

Yxy(83.0691, 0.3157, 0.3490)

Have a look what the booklet for
Yxy(83.0691, 0.3157, 0.3490)
contains.

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Color

Yxy(83.0691, 0.3157, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	E2EFDC
RGB	226, 239, 220
RGB Percent	89%, 94%, 86%
CMY	0.1139, 0.0627, 0.1371
CMYK	0.05, 0.00, 0.08, 0.06
HSL	101°, 37%, 90%
HSV	101°, 8%, 94%
XYZ	75.1430, 83.0691, 79.8082
YIQ	232.9470, -1.6490, -8.6650

Conversions

Conversions Part 2

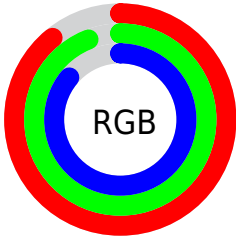
Format	Color
R _{YB}	220, 239, 233
Decimal	14872540
CIE Lab	93.04, -7.69, 7.68
CIE LCh	93, 10.869, 135.026
Yxy	83.0691, 0.3157, 0.3490
Android (android.graphics.Color)	4293062620 (0xFFE2EFDC)
YUV	232.9470, -6.3829, -6.0925
Hunter-Lab	91.1423, -12.3331, 11.8826

Details

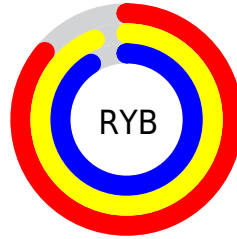
The Yxy color **83.0691, 0.3157, 0.3490** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.7776, 0.3095, 0.3093**, and the grayscale version is **81.4928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2415, 0.3167, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **79.3639, 0.3193, 0.3766**, and if you desaturate by 10%, it is **87.2173, 0.3119, 0.3241**.

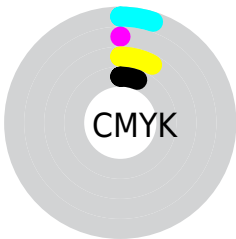
Distribution



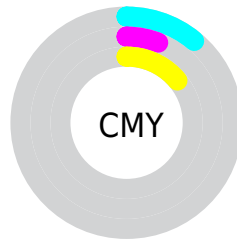
- Red (89%)
- Green (94%)
- Blue (86%)



- 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 83.0691, 0.3157, 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 83.0691, 0.3157, 0.3490 by changing the saturation by 10% instead.

83.0691, 0.3157,
0.3490

83.0691, 0.3157,
0.3490

505.2168, 0.3144,
0.3398

62.2472, 0.3160,
0.3511

137.6722, 0.3153,
0.3458

45.2324, 0.3163,
0.3536

172.2222, 0.3151,
0.3446

31.6405, 0.3167,
0.3568

212.1170, 0.3149,
0.3435

21.0871, 0.3172,
0.3610

257.7410, 0.3148,
0.3426

13.1877, 0.3179,
0.3667

309.4786, 0.3147,
0.3418

7.5579, 0.3187,
0.3747

367.7141, 0.3146,

3.8134, 0.3198,

0.3411

0.3871

432.8321, 0.3145,
0.3404

■ 1.5697, 0.3212,
0.4087

■ 0.3371, 0.2824,
0.7176

■ 83.0691, 0.3157,
0.3490

■ 83.0691, 0.3157,
0.3490

■ 79.3639, 0.3193,
0.3766

■ 87.2173, 0.3119,
0.3241

■ 76.0764, 0.3226,
0.4067

■ 90.2211, 0.3134,
0.3136

■ 73.1943, 0.3253,
0.4385

■ 70.7010, 0.3270,
0.4712

■ 68.5787, 0.3276,
0.5031

■ 66.8078, 0.3267,
0.5324

■ 65.3669, 0.3242,
0.5570

■ 64.2315, 0.3202,
0.5753

■ 63.3712, 0.3152,
0.5868

Harmonies

Analogous

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



83.0691, 0.3275, 0.3509



83.0691, 0.3157, 0.3490



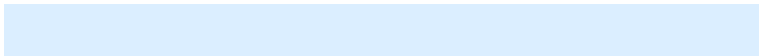
83.0691, 0.3032, 0.3414

Triad

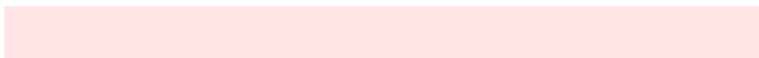
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0691, 0.3157, 0.3490



83.0691, 0.2904, 0.3110



83.0691, 0.3323, 0.3272

Complementary

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



83.0691, 0.3157, 0.3490



74.7776, 0.3095, 0.3093

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.



83.0691, 0.3220, 0.3171



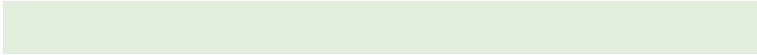
83.0691, 0.3157, 0.3490



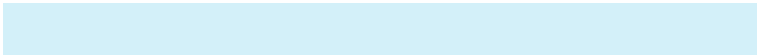
83.0691, 0.2978, 0.3078

Square

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



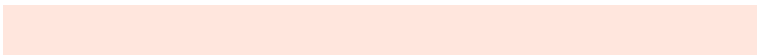
83.0691, 0.3157, 0.3490



83.0691, 0.2888, 0.3192



83.0691, 0.3094, 0.3100



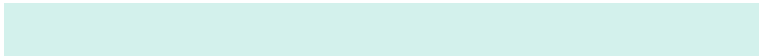
83.0691, 0.3373, 0.3380

Rectangle

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



83.0691, 0.3157, 0.3490



83.0691, 0.2962, 0.3343



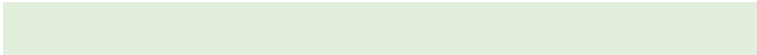
83.0691, 0.3094, 0.3100



83.0691, 0.3293, 0.3236

Sweetspot

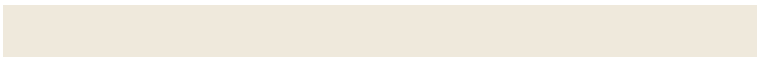
The Sweet Spot groups the original color and five complimentary colors.



83.0727, 0.3157, 0.3490



99.0166, 0.3135, 0.3339



81.8028, 0.3251, 0.3424



21.2039, 0.3134, 0.3336



0.0000, 0.0000, 0.0000



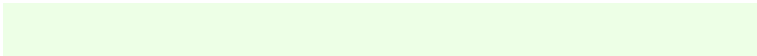
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0727, 0.3157, 0.3490



95.2888, 0.3165, 0.3546



82.3181, 0.3097, 0.3455



17.8957, 0.3163, 0.3531



34.9939, 0.3152, 0.5879



2.9620, 0.3250, 0.5801

Inverse Universe

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



74.7776, 0.3095, 0.3093



83.3173, 0.3085, 0.3039



75.5882, 0.3159, 0.3131



15.7696, 0.3088, 0.3054



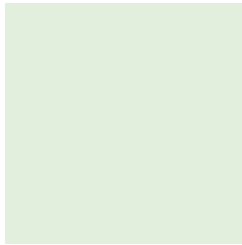
7.9019, 0.2434, 0.1114



0.7099, 0.2538, 0.1172

Previews

White Background



This preview shows how the Yxy color 83.0691, 0.3157, 0.3490 looks on a white background.

Color Contrast Check

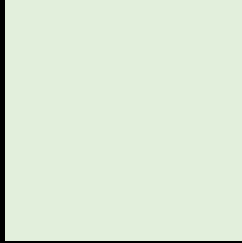
Large Text (above 18pt) WCAG AA × Fail

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 83.0691, 0.3157, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

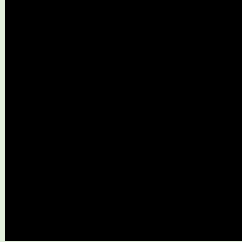
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

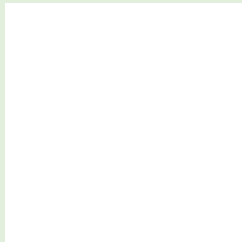
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0691, 0.3157, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 83.0691, 0.3157, 0.3490.

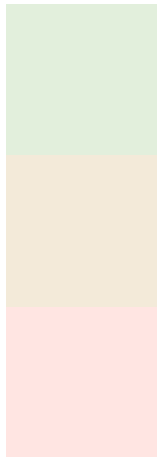


This preview shows how white text looks on a background with the Yxy color 83.0691, 0.3157, 0.3490.

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

83.0691, 0.3157, 0.3490

Protanopia

82.9101, 0.3297, 0.3465

Deuteranopia

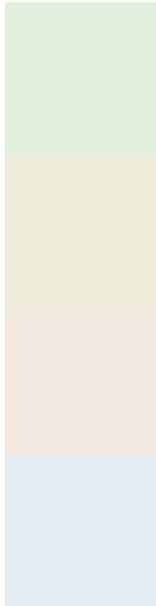
82.7896, 0.3328, 0.3320



Tritanopia

82.9264, 0.2992, 0.3097

Trichromacy



Original Color

83.0691, 0.3157, 0.3490

Protanomaly

83.0574, 0.3247, 0.3477

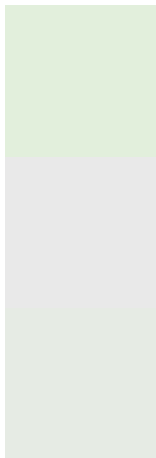
Deuteranomaly

82.8927, 0.3260, 0.3382

Tritanomaly

82.9998, 0.3051, 0.3238

Monochromacy



Original Color

83.0691, 0.3157, 0.3490

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.8411, 0.3137, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0691, 0.3157, 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(226, 239, 220)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 239, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 239, 220) }
```

Border

The CSS property to change the border of an element to Yxy 83.0691, 0.3157, 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(226, 239, 220) }
```

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

```
.border{ border-color:rgb(226, 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(226, 239, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 239, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 239, 220);  
box-shadow:4px 4px 4px 4px rgb(226, 239,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0691, 0.3157, 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(226, 239, 220) }
```

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

```
.background{ background-color: rgb(226,  
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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