

Converting Colors

$Yxy(83.7233, 0.3162, 0.3518)$

Have a look what the booklet for
Yxy(83.7233, 0.3162, 0.3518)
contains.

Yxy(83.6034, 0.3163, 0.3511)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.6034, 0.3163, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	E2F0DB
RGB	226, 240, 219
RGB Percent	89%, 94%, 86%
CMY	0.1136, 0.0588, 0.1411
CMYK	0.06, 0.00, 0.09, 0.06
HSL	100°, 41%, 90%
HSV	100°, 9%, 94%
XYZ	75.3169, 83.6034, 79.1982
YIQ	233.4200, -1.6030, -9.4990

Conversions

Conversions Part 2

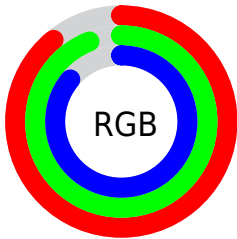
Format	Color
RYB	219, 240, 233
Decimal	14872795
CIELab	93.28, -8.34, 8.54
CIELCh	93, 11.939, 134.299
Yxy	83.6034, 0.3163, 0.3511
Android (android.graphics.Color)	4293062875 (0xFFE2F0DB)
YUV	233.4200, -7.1091, -6.5073
Hunter-Lab	91.4349, -12.9768, 12.6492

Details

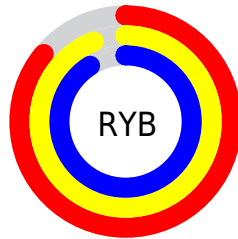
The Yxy color **83.6034, 0.3163, 0.3511** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.2882, 0.3088, 0.3072**, and the grayscale version is **81.8792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6192, 0.3174, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **79.9664, 0.3203, 0.3788**, and if you desaturate by 10%, it is **87.6709, 0.3122, 0.3260**.

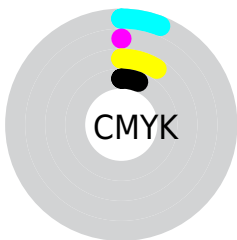
Distribution



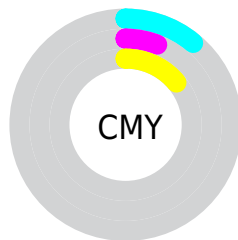
- Red (89%)
- Green (94%)
- Blue (86%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6034, 0.3163, 0.3511 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 83.6034, 0.3163, 0.3511 by changing the saturation by 10% instead.


 83.6034, 0.3163,
0.3511

 83.6034, 0.3163,
0.3511


506.9953, 0.3148,
0.3410

 62.6880, 0.3166,
0.3534


138.4203, 0.3158,
0.3476

 45.5889, 0.3170,
0.3562


173.0905, 0.3156,
0.3462

 31.9215, 0.3175,
0.3597


213.1146, 0.3154,
0.3451

 21.3016, 0.3181,
0.3644

258.8768, 0.3152,
0.3440

 13.3446, 0.3189,
0.3706

310.7616, 0.3151,
0.3431

 7.6663, 0.3199,
0.3795

369.1534, 0.3150,

 3.8822, 0.3212,

0.3423

0.3932

434.4365, 0.3149,
0.3416

■ 1.6079, 0.3228,
0.4169

■ 0.3629, 0.2804,
0.7196

■ 83.6034, 0.3163,
0.3511

■ 83.6034, 0.3163,
0.3511

■ 79.9664, 0.3203,
0.3788

■ 87.6709, 0.3122,
0.3260

■ 76.7349, 0.3238,
0.4089

■ 90.7993, 0.3134,
0.3146

■ 73.8972, 0.3268,
0.4407

■ 71.4373, 0.3288,
0.4731

■ 69.3377, 0.3295,
0.5046

■ 67.5794, 0.3286,
0.5332

■ 66.1416, 0.3261,
0.5572

■ 65.0004, 0.3220,
0.5749

■ 64.1244, 0.3168,
0.5860

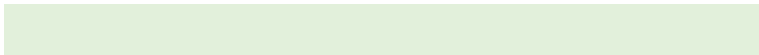
Harmonies

Analogous

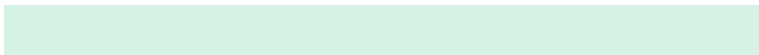
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6034, 0.3292, 0.3530



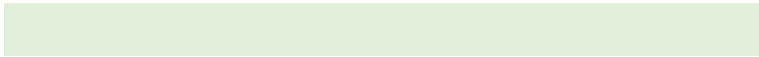
83.6034, 0.3163, 0.3511



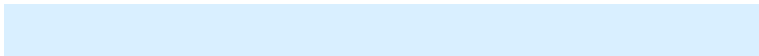
83.6034, 0.3026, 0.3429

Triad

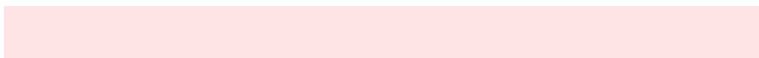
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6034, 0.3163, 0.3511



83.6034, 0.2881, 0.3095



83.6034, 0.3340, 0.3267

Complementary

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



83.6034, 0.3163, 0.3511



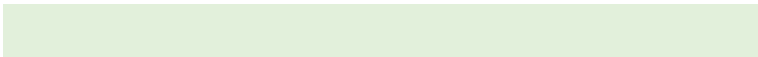
74.2882, 0.3088, 0.3072

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.



83.6034, 0.3226, 0.3157



83.6034, 0.3163, 0.3511



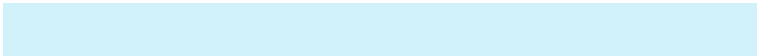
83.6034, 0.2961, 0.3058

Square

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



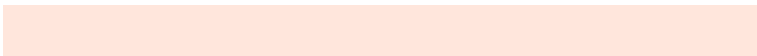
83.6034, 0.3163, 0.3511



83.6034, 0.2866, 0.3185



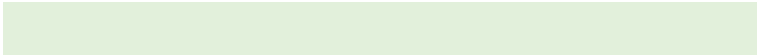
83.6034, 0.3087, 0.3081



83.6034, 0.3396, 0.3386

Rectangle

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



83.6034, 0.3163, 0.3511



83.6034, 0.2949, 0.3351



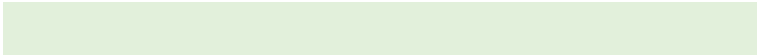
83.6034, 0.3087, 0.3081



83.6034, 0.3307, 0.3228

Sweetspot

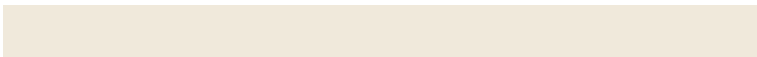
The Sweet Spot groups the original color and five complimentary colors.



83.6070, 0.3163, 0.3511



98.5631, 0.3140, 0.3364



81.7239, 0.3265, 0.3431



21.0160, 0.3143, 0.3384



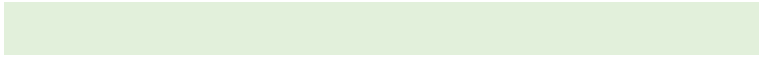
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.6070, 0.3163, 0.3511



95.3839, 0.3168, 0.3545



82.6654, 0.3098, 0.3480



17.9126, 0.3166, 0.3531



35.1157, 0.3172, 0.5863



2.9737, 0.3272, 0.5784

Inverse Universe

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



74.2882, 0.3088, 0.3072



83.2174, 0.3082, 0.3039



75.3045, 0.3158, 0.3107



15.7519, 0.3084, 0.3053



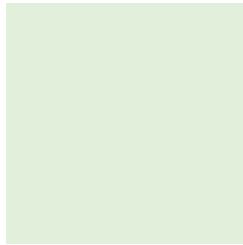
7.6057, 0.2383, 0.1086



0.6869, 0.2493, 0.1147

Previews

White Background



This preview shows how the Yxy color 83.6034, 0.3163, 0.3511 looks on a white background.

Color Contrast Check

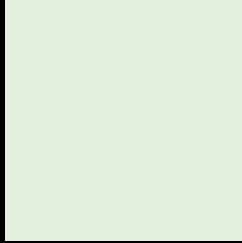
Large Text (above 18pt) WCAG AA × Fail

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 83.6034, 0.3163, 0.3511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

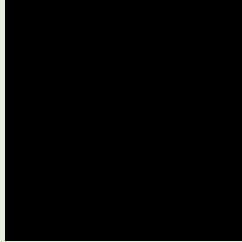
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

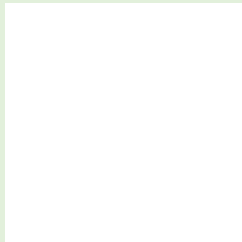
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6034, 0.3163, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 83.6034, 0.3163, 0.3511.

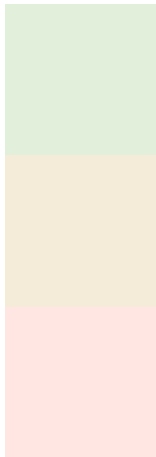


This preview shows how white text looks on a background with the Yxy color 83.6034, 0.3163, 0.3511.

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

83.6034, 0.3163, 0.3511

Protanopia

83.6076, 0.3310, 0.3485

Deuteranopia

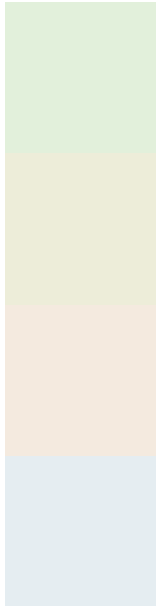
83.3446, 0.3327, 0.3330



Tritanopia

83.5613, 0.2986, 0.3098

Trichromacy



Original Color

83.6034, 0.3163, 0.3511

Protanomaly

83.5827, 0.3252, 0.3497

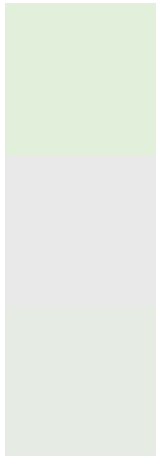
Deuteranomaly

83.4064, 0.3265, 0.3402

Tritanomaly

83.5773, 0.3050, 0.3249

Monochromacy



Original Color

83.6034, 0.3163, 0.3511

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.4153, 0.3137, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6034, 0.3163, 0.3511 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, 240, 219)` looks like.

```
.text, #text, p{  
    color:rgb(226, 240, 219)  
}
```

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, 240, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 240, 219) }
```

Border

The CSS property to change the border of an element to Yxy 83.6034, 0.3163, 0.3511 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, 240, 219) }
```

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

```
.border{ border-color:rgb(226, 240, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 240, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 240, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 240, 219);  
box-shadow:4px 4px 4px 4px rgb(226, 240,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6034, 0.3163, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 240, 219) }
```

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

```
.background{ background-color: rgb(226,  
240, 219) }
```

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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