

Converting Colors

$Yxy(80.6042, 0.3135, 0.3520)$

Have a look what the booklet for
Yxy(80.6042, 0.3135, 0.3520)
contains.

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Color

Yxy(80.5863, 0.3137, 0.3516)

Conversions

Conversions Part 1

Format	Color
Hex	DBEDD8
RGB	219, 237, 216
RGB Percent	86%, 93%, 85%
CMY	0.1410, 0.0706, 0.1530
CMYK	0.08, 0.00, 0.09, 0.07
HSL	111°, 37%, 89%
HSV	111°, 9%, 93%
XYZ	71.8997, 80.5863, 76.7128
YIQ	229.2240, -3.9870, -10.3470

Conversions

Conversions Part 2

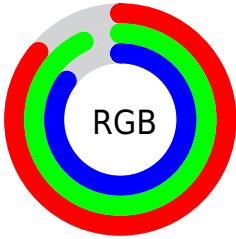
Format	Color
R _Y B	216, 237, 234
Decimal	14413272
CIE Lab	91.95, -9.71, 8.15
CIE LCh	92, 12.677, 139.981
Yxy	80.5863, 0.3137, 0.3516
Android (android.graphics.Color)	4292603352 (0xFFDBEDD8)
YUV	229.2240, -6.5194, -8.9664
Hunter-Lab	89.7699, -14.1307, 12.1726

Details

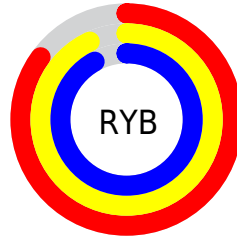
The Yxy color **80.5863, 0.3137, 0.3516** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.6927, 0.3115, 0.3071**, and the grayscale version is **78.5851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5135, 0.3140, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **76.5001, 0.3146, 0.3801**, and if you desaturate by 10%, it is **85.2378, 0.3126, 0.3263**.

Distribution



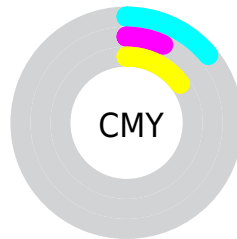
- Red (86%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (92%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)





- Cyan (14%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5863, 0.3137, 0.3516 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 80.5863, 0.3137, 0.3516 by changing the saturation by 10% instead.

 80.5863, 0.3137,
0.3516

 80.5863, 0.3137,
0.3516

496.9065, 0.3133,
0.3412

 60.2009, 0.3138,
0.3540

134.1897, 0.3136,
0.3480

 43.5806, 0.3138,
0.3569


168.1766, 0.3135,
0.3466

 30.3409, 0.3139,
0.3606


207.4661, 0.3135,
0.3454

 20.0975, 0.3140,
0.3655

252.4425, 0.3135,
0.3443

 12.4659, 0.3140,
0.3721

303.4904, 0.3134,
0.3434

 7.0618, 0.3140,
0.3817

360.9941, 0.3134,

 3.5008, 0.3137,

0.3426

0.3966

425.3380, 0.3134,
0.3418

■ 1.3984, 0.3129,
0.4236

■ 0.2156, 0.0000,
1.0000

■ 80.5863, 0.3137,
0.3516

■ 80.5863, 0.3137,
0.3516

■ 76.5001, 0.3146,
0.3801

■ 85.2378, 0.3126,
0.3263

■ 72.9476, 0.3153,
0.4114

■ 89.0458, 0.3135,
0.3117

■ 69.9098, 0.3154,
0.4451

■ 67.3626, 0.3151,
0.4797

■ 65.2800, 0.3140,
0.5135

■ 63.6333, 0.3122,
0.5442

■ 62.3910, 0.3097,
0.5691

■ 61.5166, 0.3068,
0.5866

■ 60.9636, 0.3038,
0.5963

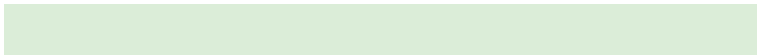
Harmonies

Analogous

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



80.5863, 0.3281, 0.3550



80.5863, 0.3137, 0.3516



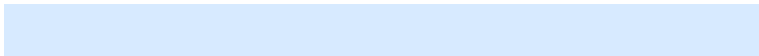
80.5863, 0.2993, 0.3417

Triad

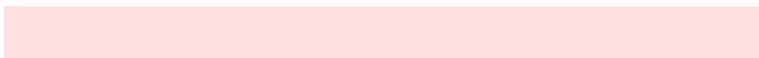
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5863, 0.3137, 0.3516



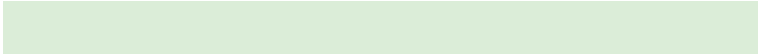
80.5863, 0.2874, 0.3068



80.5863, 0.3373, 0.3290

Complementary

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



80.5863, 0.3137, 0.3516



72.6927, 0.3115, 0.3071

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.



80.5863, 0.3260, 0.3168



80.5863, 0.3137, 0.3516



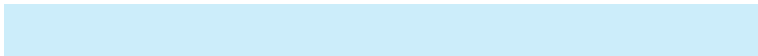
80.5863, 0.2971, 0.3041

Square

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



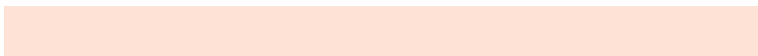
80.5863, 0.3137, 0.3516



80.5863, 0.2844, 0.3155



80.5863, 0.3112, 0.3077



80.5863, 0.3419, 0.3415

Rectangle

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



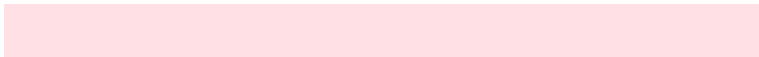
80.5863, 0.3137, 0.3516



80.5863, 0.2916, 0.3329



80.5863, 0.3112, 0.3077



80.5863, 0.3341, 0.3247

Sweetspot

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



80.5898, 0.3137, 0.3516



98.2991, 0.3131, 0.3364



81.7164, 0.3262, 0.3476



20.9450, 0.3132, 0.3384



0.0000, 0.0000, 0.0000



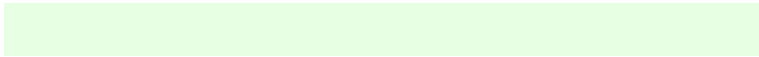
21.4041, 0.3127, 0.3290

Same Dimension

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



80.5898, 0.3137, 0.3516



94.0604, 0.3139, 0.3575



80.5066, 0.3072, 0.3437



16.9677, 0.3138, 0.3532



33.2938, 0.3042, 0.5967



2.6471, 0.3116, 0.5908

Inverse Universe

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



72.6927, 0.3115, 0.3071



82.6217, 0.3112, 0.3016



72.7956, 0.3187, 0.3148



15.1958, 0.3115, 0.3056



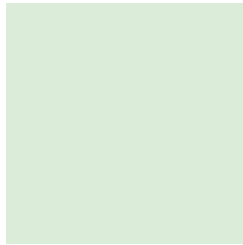
10.2666, 0.2843, 0.1340



0.8366, 0.2897, 0.1369

Previews

White Background



This preview shows how the Yxy color 80.5863, 0.3137, 0.3516 looks on a white background.

Color Contrast Check

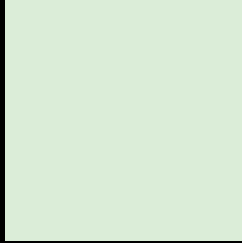
Large Text (above 18pt) WCAG AA × Fail

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 80.5863, 0.3137, 0.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

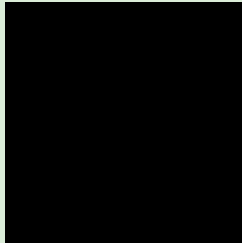
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

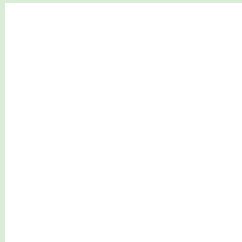
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5863, 0.3137, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 80.5863, 0.3137, 0.3516.

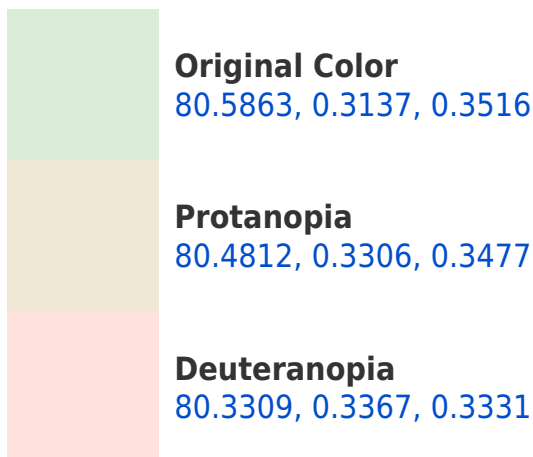


This preview shows how white text looks on a background with the Yxy color 80.5863, 0.3137, 0.3516.

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

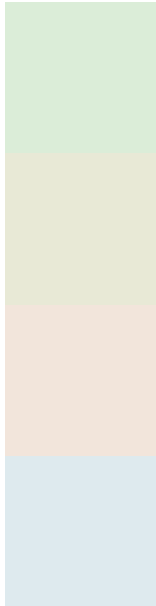




Tritanopia

80.4626, 0.2965, 0.3104

Trichromacy



Original Color

80.5863, 0.3137, 0.3516

Protanomaly

80.2887, 0.3241, 0.3490

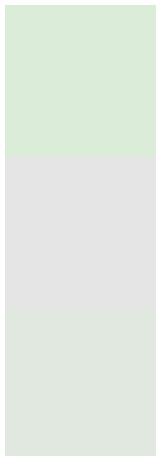
Deuteranomaly

80.0303, 0.3283, 0.3393

Tritanomaly

80.5483, 0.3023, 0.3248

Monochromacy



Original Color

80.5863, 0.3137, 0.3516

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1026, 0.3130, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5863, 0.3137, 0.3516 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(219, 237, 216)` looks like.

```
.text, #text, p{  
    color:rgb(219, 237, 216)  
}
```

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(219, 237, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 237, 216) }
```

Border

The CSS property to change the border of an element to Yxy 80.5863, 0.3137, 0.3516 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(219, 237, 216) }
```

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

```
.border{ border-color:rgb(219, 237, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 237, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 237, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 237, 216);  
box-shadow:4px 4px 4px 4px rgb(219, 237,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5863, 0.3137, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 237, 216) }
```

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

```
.background{ background-color: rgb(219,  
237, 216) }
```

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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