

Converting Colors

$Y_{xy}(81.0530, 0.3241, 0.3535)$

Have a look what the booklet for
Yxy(81.0530, 0.3241, 0.3535)
contains.

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Color

Yxy(80.9931, 0.3238, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	E6EBD4
RGB	230, 235, 212
RGB Percent	90%, 92%, 83%
CMY	0.0980, 0.0784, 0.1685
CMYK	0.02, 0.00, 0.10, 0.08
HSL	73°, 36%, 88%
HSV	73°, 10%, 92%
XYZ	74.2303, 80.9931, 74.0240
YIQ	230.8830, 4.4030, -8.2130

Conversions

Conversions Part 2

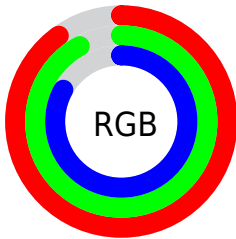
Format	Color
R _Y B	212, 235, 217
Decimal	15133652
CIE Lab	92.13, -5.62, 10.57
CIE LCh	92, 11.970, 118.002
Yxy	80.9931, 0.3238, 0.3533
Android (android.graphics.Color)	4293323732 (0xFFE6EBD4)
YUV	230.8830, -9.3093, -0.7744
Hunter-Lab	89.9962, -10.2636, 14.2299

Details

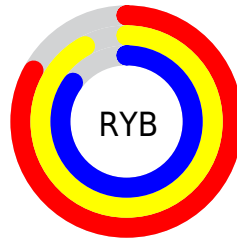
The Yxy color **80.9931, 0.3238, 0.3533** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **67.8516, 0.3010, 0.3040**, and the grayscale version is **79.8921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6732, 0.3262, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **79.0636, 0.3353, 0.3794**, and if you desaturate by 10%, it is **83.1270, 0.3125, 0.3285**.

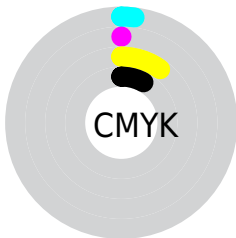
Distribution



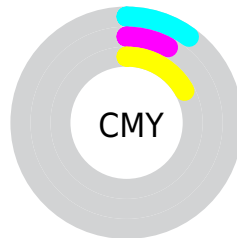
- Red (90%)
- Green (92%)
- Blue (83%)



- Red (83%)
- Yellow (92%)
- Blue (85%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)



- Cyan (10%)
- Magenta (8%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9931, 0.3238, 0.3533 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 80.9931, 0.3238, 0.3533 by changing the saturation by 10% instead.

80.9931, 0.3238,
0.3533

80.9931, 0.3238,
0.3533

498.2734, 0.3188,
0.3421

60.5359, 0.3249,
0.3558

134.7611, 0.3221,
0.3494

43.8507, 0.3262,
0.3589

168.8407, 0.3214,
0.3479

30.5532, 0.3279,
0.3629

208.2298, 0.3209,
0.3466

20.2589, 0.3301,
0.3680

253.3130, 0.3203,
0.3455

12.5833, 0.3329,
0.3749

304.4745, 0.3199,
0.3445

7.1423, 0.3368,
0.3848

362.0989, 0.3195,

3.5512, 0.3425,

0.3436

0.4000

426.5703, 0.3191,
0.3429

■ 1.4258, 0.3536,
0.4289

■ 0.2357, 0.2692,
0.7308

■ 80.9931, 0.3238,
0.3533

■ 80.9931, 0.3238,
0.3533

■ 79.0636, 0.3353,
0.3794

■ 83.1270, 0.3125,
0.3285

■ 77.3203, 0.3465,
0.4062

■ 85.1998, 0.3039,
0.3091

■ 75.7585, 0.3571,
0.4329

■ 86.1063, 0.3073,
0.3093

■ 74.3694, 0.3665,
0.4585

■ 87.0381, 0.3106,
0.3096

■ 73.1433, 0.3742,
0.4819

■ 87.8968, 0.3136,
0.3097

■ 72.0695, 0.3796,
0.5019

■ 71.1357, 0.3825,
0.5177

■ 70.3274, 0.3828,
0.5288

■ 69.6206, 0.3809,
0.5357

Harmonies

Analogous

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



80.9931, 0.3349, 0.3514



80.9931, 0.3238, 0.3533



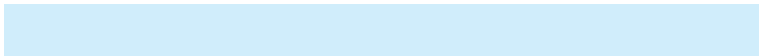
80.9931, 0.3099, 0.3483

Triad

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



80.9931, 0.3238, 0.3533



80.9931, 0.2861, 0.3136



80.9931, 0.3285, 0.3203

Complementary

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



80.9931, 0.3238, 0.3533



67.8516, 0.3010, 0.3040

Split Complementary

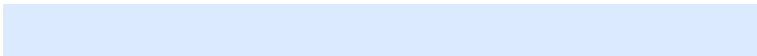
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9931, 0.3151, 0.3108



80.9931, 0.3238, 0.3533



80.9931, 0.2908, 0.3067

Square

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



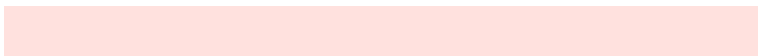
80.9931, 0.3238, 0.3533



80.9931, 0.2883, 0.3249



80.9931, 0.3013, 0.3058



80.9931, 0.3378, 0.3322

Rectangle

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



80.9931, 0.3238, 0.3533



80.9931, 0.3009, 0.3417



80.9931, 0.3013, 0.3058



80.9931, 0.3243, 0.3168

Sweetspot

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



80.9966, 0.3238, 0.3533



99.2034, 0.3161, 0.3363



72.0444, 0.3293, 0.3343



21.1888, 0.3170, 0.3383



0.0000, 0.0000, 0.0000



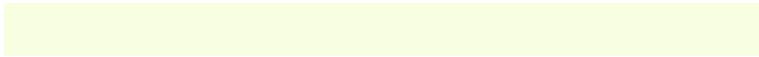
21.4041, 0.3127, 0.3290

Same Dimension

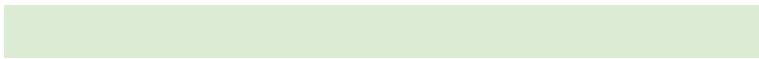
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9966, 0.3238, 0.3533



96.9454, 0.3264, 0.3592



79.1596, 0.3159, 0.3539



17.4524, 0.3234, 0.3525



38.7966, 0.3815, 0.5353



3.0873, 0.3870, 0.5309

Inverse Universe

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



67.8516, 0.3010, 0.3040



77.7426, 0.2980, 0.2978



69.6723, 0.3091, 0.3047



14.7065, 0.3014, 0.3049



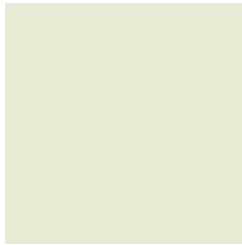
3.7755, 0.1614, 0.0663



0.3376, 0.1744, 0.0734

Previews

White Background



This preview shows how the Yxy color 80.9931, 0.3238, 0.3533 looks on a white background.

Color Contrast Check

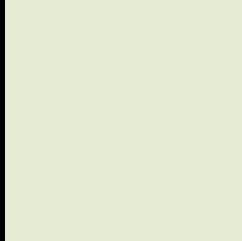
Large Text (above 18pt) WCAG AA × Fail

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 80.9931, 0.3238, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

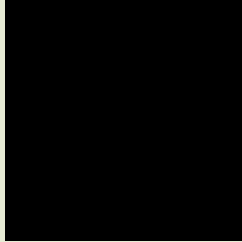
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

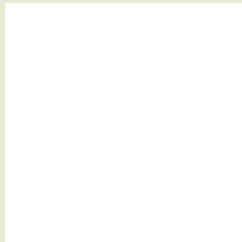
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9931, 0.3238, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 80.9931, 0.3238, 0.3533.

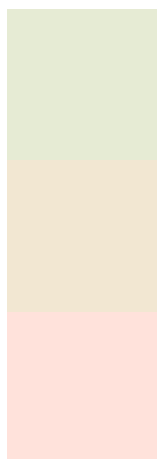


This preview shows how white text looks on a background with the Yxy color 80.9931, 0.3238, 0.3533.

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

80.9931, 0.3238, 0.3533

Protanopia

80.6822, 0.3340, 0.3508

Deuteranopia

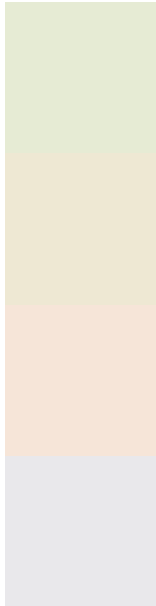
80.7672, 0.3380, 0.3361



Tritanopia

81.0331, 0.3048, 0.3107

Trichromacy



Original Color

80.9931, 0.3238, 0.3533

Protanomaly

80.5935, 0.3304, 0.3509

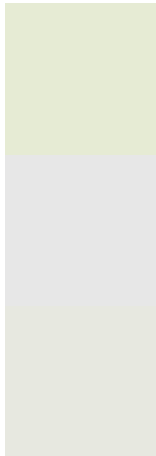
Deuteranomaly

80.5893, 0.3331, 0.3424

Tritanomaly

81.0350, 0.3115, 0.3259

Monochromacy



Original Color

80.9931, 0.3238, 0.3533

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.0840, 0.3171, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9931, 0.3238, 0.3533 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, 235, 212)` looks like.

```
.text, #text, p{  
    color:rgb(230, 235, 212)  
}
```

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, 235, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 235, 212) }
```

Border

The CSS property to change the border of an element to Yxy 80.9931, 0.3238, 0.3533 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, 235, 212) }
```

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

```
.border{ border-color:rgb(230, 235, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 235, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 235, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 235, 212);  
box-shadow:4px 4px 4px 4px rgb(230, 235,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9931, 0.3238, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 235, 212) }
```

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

```
.background{ background-color: rgb(230,  
235, 212) }
```

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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