

Converting Colors

$Yxy(81.8216, 0.3307, 0.3661)$

Have a look what the booklet for
Yxy(81.8216, 0.3307, 0.3661)
contains.

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Color

Yxy(81.8216, 0.3307, 0.3661)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E7EDCA |
| RGB | 231, 237, 202 |
| RGB Percent | 91%, 93%, 79% |
| CMY | 0.0939, 0.0706, 0.2079 |
| CMYK | 0.03, 0.00, 0.15, 0.07 |
| HSL | 70°, 49%, 86% |
| HSV | 70°, 15%, 93% |
| XYZ | 73.9099, 81.8216, 67.7638 |
| YIQ | 231.2160, 7.6590, -12.1570 |

Conversions

Conversions Part 2

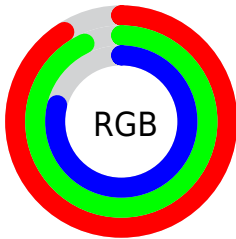
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 202, 237, 208 |
| Decimal | 15199690 |
| CIE _{Lab} | 92.50, -7.87, 16.31 |
| CIE _{LCh} | 92, 18.105, 115.755 |
| Y _{xy} | 81.8216, 0.3307, 0.3661 |
| Android (android.graphics.Color) | 4293389770 (0xFFE7EDCA) |
| YUV | 231.2160, -14.4035, -0.1894 |
| Hunter-Lab | 90.4553, -12.4467, 18.9021 |

Details

The Yxy color **81.8216, 0.3307, 0.3661** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.7471, 0.2931, 0.2900**, and the grayscale version is **80.1917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2998, 0.3342, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **80.1254, 0.3430, 0.3924**, and if you desaturate by 10%, it is **83.7127, 0.3185, 0.3407**.

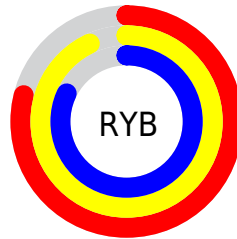
Distribution



Red (91%)

Green (93%)

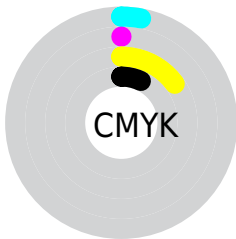
Blue (79%)



Red (79%)

Yellow (93%)

Blue (82%)

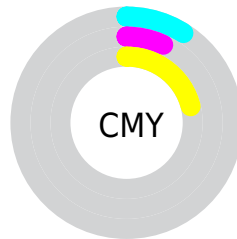


Cyan (3%)

Magenta (0%)

Yellow (15%)

Black (7%)



Cyan (9%)

Magenta (7%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8216, 0.3307, 0.3661 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 81.8216, 0.3307, 0.3661 by changing the saturation by 10% instead.

81.8216, 0.3307,
0.3661

81.8216, 0.3307,
0.3661

501.0508, 0.3227,
0.3490

61.2185, 0.3325,
0.3700

135.9238, 0.3280,
0.3602

44.4015, 0.3346,
0.3747

170.1917, 0.3269,
0.3579

30.9863, 0.3372,
0.3807

209.7833, 0.3260,
0.3559

20.5884, 0.3406,
0.3885

255.0830, 0.3252,
0.3542

12.8235, 0.3449,
0.3991

306.4752, 0.3244,
0.3527

7.3071, 0.3508,
0.4141

364.3443, 0.3238,

3.6549, 0.3589,

0.3513

0.4369

429.0747, 0.3232,
0.3501

■ 1.4825, 0.3846,
0.4935

■ 0.2763, 0.2035,
0.7965

■ 81.8216, 0.3307,
0.3661

■ 81.8216, 0.3307,
0.3661

■ 80.1254, 0.3430,
0.3924

■ 83.7127, 0.3185,
0.3407

■ 78.6055, 0.3548,
0.4188

■ 85.7955, 0.3066,
0.3166


■ 77.2569, 0.3658,
0.4444


■ 86.8606, 0.3058,
0.3112


■ 76.0703, 0.3752,
0.4682

■ 87.5848, 0.3084,
0.3114


 75.0354, 0.3827,
0.4891


 88.3248, 0.3110,
0.3115

 74.1407, 0.3877,
0.5061

 89.0445, 0.3135,
0.3117

 73.3728, 0.3901,
0.5185

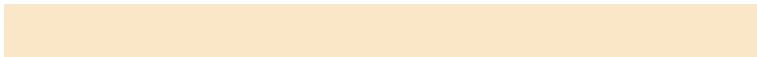
 72.7152, 0.3900,
0.5264

 72.4022, 0.3892,
0.5292

Harmonies

Analogous

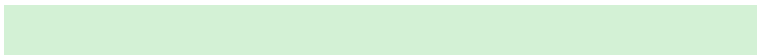
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8216, 0.3471, 0.3621



81.8216, 0.3307, 0.3661



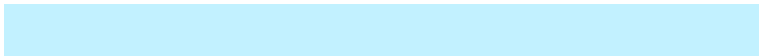
81.8216, 0.3098, 0.3594

Triad

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



81.8216, 0.3307, 0.3661



81.8216, 0.2728, 0.3066



81.8216, 0.3352, 0.3147

Complementary

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



81.8216, 0.3307, 0.3661



61.7471, 0.2931, 0.2900

Split Complementary

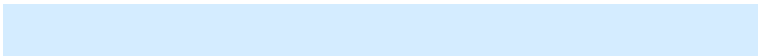
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8216, 0.3145, 0.3011



81.8216, 0.3307, 0.3661



81.8216, 0.2790, 0.2960

Square

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



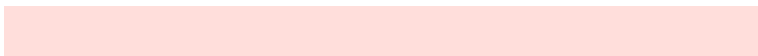
81.8216, 0.3307, 0.3661



81.8216, 0.2768, 0.3240



81.8216, 0.2940, 0.2943



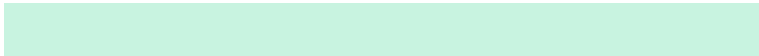
81.8216, 0.3499, 0.3322

Rectangle

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



81.8216, 0.3307, 0.3661



81.8216, 0.2963, 0.3496



81.8216, 0.2940, 0.2943



81.8216, 0.3286, 0.3096

Sweetspot

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



81.8252, 0.3307, 0.3661



99.0334, 0.3175, 0.3388



67.2904, 0.3394, 0.3354



21.1592, 0.3185, 0.3407



0.0000, 0.0000, 0.0000



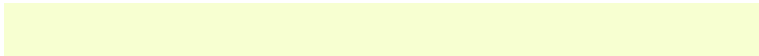
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8252, 0.3307, 0.3661



95.9403, 0.3348, 0.3747



79.0721, 0.3187, 0.3675



17.4901, 0.3242, 0.3525



39.5818, 0.3897, 0.5288



3.1423, 0.3940, 0.5253

Inverse Universe

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



61.7471, 0.2931, 0.2900



67.6053, 0.2881, 0.2805



64.4072, 0.3057, 0.2915



14.6718, 0.3006, 0.3048



3.6255, 0.1576, 0.0642



0.3208, 0.1692, 0.0706

Previews

White Background



This preview shows how the Yxy color 81.8216, 0.3307, 0.3661 looks on a white background.

Color Contrast Check

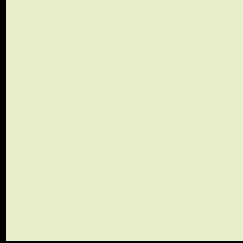
Large Text (above 18pt) WCAG AA × Fail

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 81.8216, 0.3307, 0.3661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

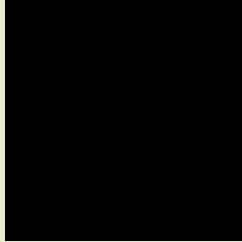
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

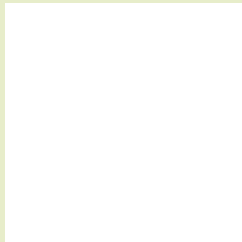
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8216, 0.3307, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 81.8216, 0.3307, 0.3661.

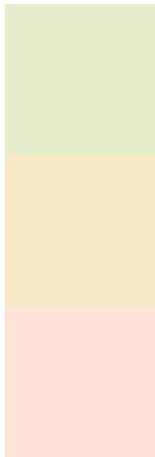


This preview shows how white text looks on a background with the Yxy color 81.8216, 0.3307, 0.3661.

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

81.8216, 0.3307, 0.3661

Protanopia

81.8604, 0.3425, 0.3631

Deuteranopia

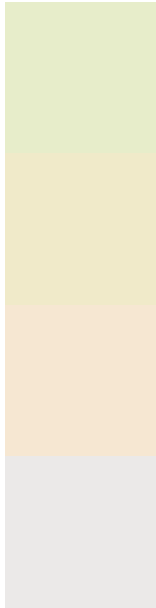
81.6531, 0.3404, 0.3421



Tritanopia

81.6103, 0.3062, 0.3098

Trichromacy



Original Color

81.8216, 0.3307, 0.3661

Protanomaly

81.5879, 0.3381, 0.3634

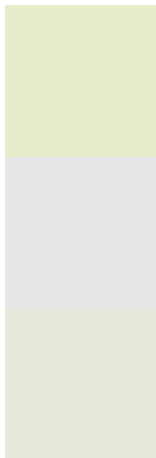
Deuteranomaly

81.3978, 0.3369, 0.3506

Tritanomaly

81.7662, 0.3147, 0.3300

Monochromacy



Original Color

81.8216, 0.3307, 0.3661

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.4341, 0.3196, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8216, 0.3307, 0.3661 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(231, 237, 202)` looks like.

```
.text, #text, p{  
    color:rgb(231, 237, 202)  
}
```

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(231, 237, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 202) }
```

Border

The CSS property to change the border of an element to Yxy 81.8216, 0.3307, 0.3661 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(231, 237, 202) }
```

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

```
.border{ border-color:rgb(231, 237, 202) }
```

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

Here you see how a box with a 4 pixel rgb(231, 237, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 202);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8216, 0.3307, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 237, 202) }
```

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

```
.background{ background-color: rgb(231,  
237, 202) }
```

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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