

Converting Colors

$Yxy(81.6563, 0.3212, 0.3536)$

Have a look what the booklet for
Yxy(81.6563, 0.3212, 0.3536)
contains.

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Color

Yxy(81.8665, 0.3216, 0.3544)

Conversions

Conversions Part 1

Format	Color
Hex	E4EDD5
RGB	228, 237, 213
RGB Percent	89%, 93%, 84%
CMY	0.1059, 0.0706, 0.1647
CMYK	0.04, 0.00, 0.10, 0.07
HSL	83°, 40%, 88%
HSV	83°, 10%, 93%
XYZ	74.2897, 81.8665, 74.8441
YIQ	231.5730, 2.3400, -9.3720

Conversions

Conversions Part 2

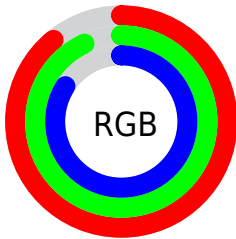
Format	Color
R _Y B	213, 237, 222
Decimal	15003093
CIE Lab	92.52, -7.17, 10.59
CIE LCh	93, 12.786, 124.088
Yxy	81.8665, 0.3216, 0.3544
Android (android.graphics.Color)	4293193173 (0xFFE4EDD5)
YUV	231.5730, -9.1565, -3.1335
Hunter-Lab	90.4801, -11.7808, 14.2921

Details

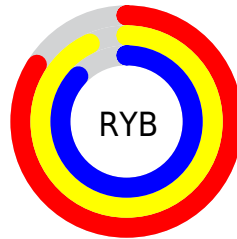
The Yxy color **81.8665, 0.3216, 0.3544** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.2422, 0.3032, 0.3033**, and the grayscale version is **80.4311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4006, 0.3242, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **79.3350, 0.3304, 0.3812**, and if you desaturate by 10%, it is **84.6559, 0.3128, 0.3293**.

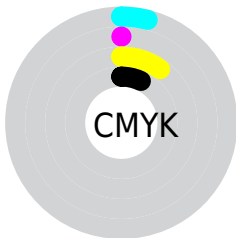
Distribution



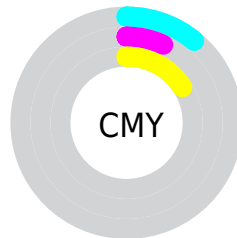
- Red (89%)
- Green (93%)
- Blue (84%)



- Red (84%)
- Yellow (93%)
- Blue (87%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8665, 0.3216, 0.3544 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 81.8665, 0.3216, 0.3544 by changing the saturation by 10% instead.

81.8665, 0.3216,
0.3544

81.8665, 0.3216,
0.3544

501.2010, 0.3176,
0.3427

61.2555, 0.3225,
0.3570

135.9868, 0.3203,
0.3504

44.4314, 0.3235,
0.3603

170.2648, 0.3197,
0.3488

31.0098, 0.3248,
0.3644

209.8674, 0.3193,
0.3474

20.6063, 0.3265,
0.3698

255.1788, 0.3189,
0.3463

12.8365, 0.3287,
0.3770

306.5835, 0.3185,
0.3452

7.3161, 0.3316,
0.3874

364.4658, 0.3182,

3.6606, 0.3358,

0.3443

0.4034

429.2102, 0.3179,
0.3435

■ 1.4856, 0.3435,
0.4327

■ 0.2785, 0.2438,
0.7562

■ 81.8665, 0.3216,
0.3544

■ 81.8665, 0.3216,
0.3544

■ 79.3350, 0.3304,
0.3812

■ 84.6559, 0.3128,
0.3293

■ 77.0420, 0.3388,
0.4093

■ 87.3472, 0.3075,
0.3114

■ 74.9818, 0.3465,
0.4379

■ 88.9931, 0.3133,
0.3117

■ 73.1444, 0.3530,
0.4660

■ 89.0517, 0.3135,
0.3117

■ 71.5189, 0.3578,
0.4923

■ 70.0933, 0.3604,
0.5155

■ 68.8539, 0.3606,
0.5343

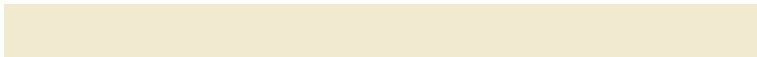
■ 67.7848, 0.3583,
0.5481

■ 66.8702, 0.3541,
0.5571

Harmonies

Analogous

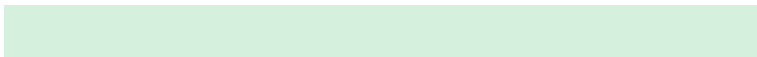
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8665, 0.3344, 0.3539



81.8665, 0.3216, 0.3544



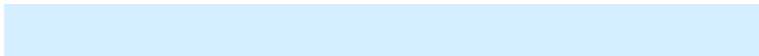
81.8665, 0.3067, 0.3477

Triad

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



81.8665, 0.3216, 0.3544



81.8665, 0.2848, 0.3107



81.8665, 0.3320, 0.3222

Complementary

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



81.8665, 0.3216, 0.3544



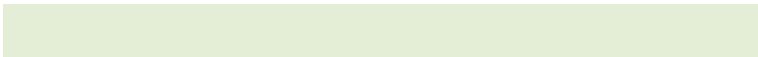
69.2422, 0.3032, 0.3033

Split Complementary

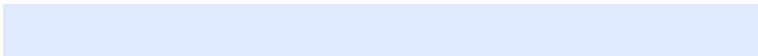
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8665, 0.3183, 0.3114



81.8665, 0.3216, 0.3544



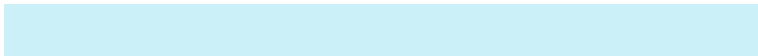
81.8665, 0.2912, 0.3046

Square

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



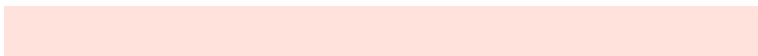
81.8665, 0.3216, 0.3544



81.8665, 0.2857, 0.3219



81.8665, 0.3034, 0.3050



81.8665, 0.3405, 0.3350

Rectangle

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



81.8665, 0.3216, 0.3544



81.8665, 0.2975, 0.3400



81.8665, 0.3034, 0.3050



81.8665, 0.3278, 0.3183

Sweetspot

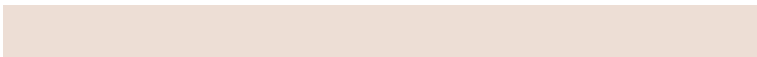
The Sweet Spot groups the original color and five complimentary colors.



81.8701, 0.3216, 0.3544



98.9764, 0.3153, 0.3364



74.9518, 0.3296, 0.3383



21.1275, 0.3160, 0.3383



0.0000, 0.0000, 0.0000



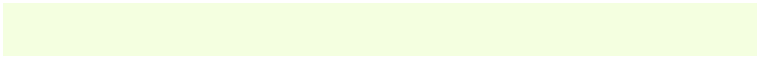
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8701, 0.3216, 0.3544



96.0695, 0.3233, 0.3594



80.0075, 0.3136, 0.3550



17.3281, 0.3210, 0.3527



36.5841, 0.3551, 0.5563



2.9274, 0.3640, 0.5492

Inverse Universe

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



69.2422, 0.3032, 0.3033



78.5603, 0.3012, 0.2981



71.1691, 0.3116, 0.3040



14.8244, 0.3038, 0.3051



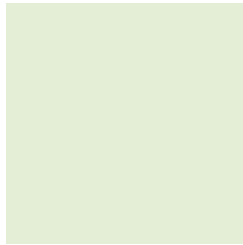
4.5661, 0.1807, 0.0769



0.4119, 0.1962, 0.0854

Previews

White Background



This preview shows how the Yxy color 81.8665, 0.3216, 0.3544 looks on a white background.

Color Contrast Check

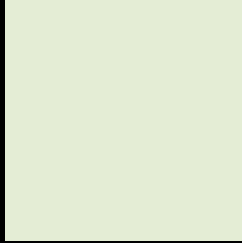
Large Text (above 18pt) WCAG AA × Fail

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 81.8665, 0.3216, 0.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

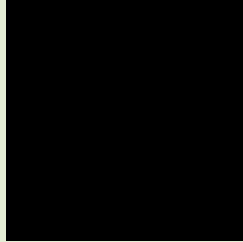
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

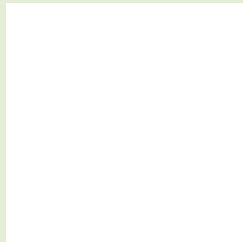
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8665, 0.3216, 0.3544

Background



This preview shows how black text looks on a background with the Yxy color 81.8665, 0.3216, 0.3544.

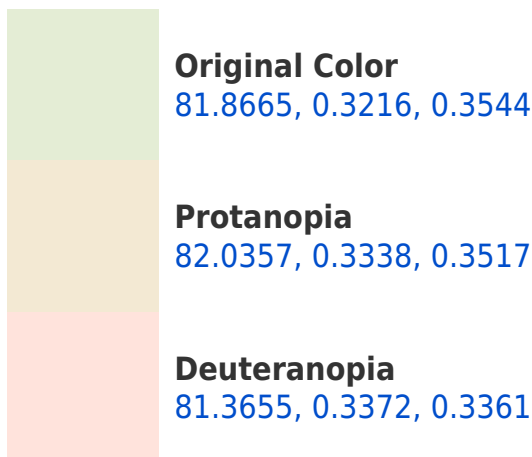


This preview shows how white text looks on a background with the Yxy color 81.8665, 0.3216, 0.3544.

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

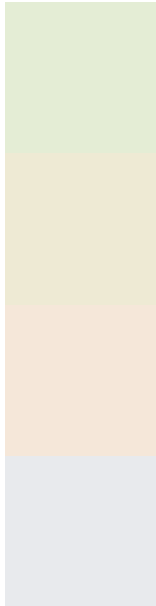




Tritanopia

82.1078, 0.3029, 0.3108

Trichromacy



Original Color

81.8665, 0.3216, 0.3544

Protanomaly

81.7762, 0.3295, 0.3519

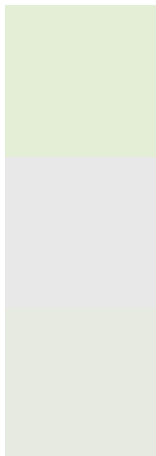
Deuteranomaly

81.5741, 0.3315, 0.3434

Tritanomaly

82.1159, 0.3095, 0.3259

Monochromacy



Original Color

81.8665, 0.3216, 0.3544

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.2708, 0.3163, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8665, 0.3216, 0.3544 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(228, 237, 213)` looks like.

```
.text, #text, p{  
    color:rgb(228, 237, 213)  
}
```

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(228, 237, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 237, 213) }
```

Border

The CSS property to change the border of an element to Yxy 81.8665, 0.3216, 0.3544 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(228, 237, 213) }
```

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

```
.border{ border-color:rgb(228, 237, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 237, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 237, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 237, 213);  
box-shadow:4px 4px 4px 4px rgb(228, 237,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8665, 0.3216, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 237, 213) }
```

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

```
.background{ background-color: rgb(228,  
237, 213) }
```

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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