

Converting Colors

$Y_{xy}(78.9545, 0.3314, 0.3504)$

Have a look what the booklet for
Yxy(78.9545, 0.3314, 0.3504)
contains.

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Color

Yxy(78.6466, 0.3314, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	EDE5D1
RGB	237, 229, 209
RGB Percent	93%, 90%, 82%
CMY	0.0704, 0.1020, 0.1803
CMYK	0.00, 0.03, 0.12, 0.07
HSL	43°, 44%, 87%
HSV	43°, 12%, 93%
XYZ	74.4671, 78.6466, 71.5909
YIQ	229.1120, 11.1880, -4.5240

Conversions

Conversions Part 2

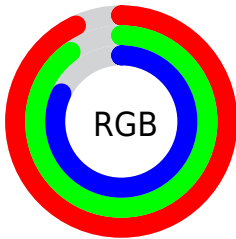
Format	Color
R _Y B	220, 237, 209
Decimal	15590865
CIE Lab	91.07, -0.59, 10.70
CIE LCh	91, 10.715, 93.133
Yxy	78.6466, 0.3314, 0.3500
Android (android.graphics.Color)	4293780945 (0xFFE5D1)
YUV	229.1120, -9.9152, 6.9178
Hunter-Lab	88.6829, -5.3086, 14.2151

Details

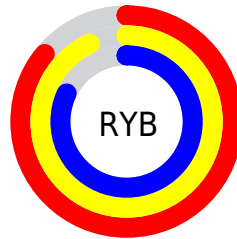
The Yxy color **78.6466, 0.3314, 0.3500** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **69.3448, 0.2942, 0.3071**, and the grayscale version is **78.5170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4624, 0.3352, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **73.8628, 0.3488, 0.3686**, and if you desaturate by 10%, it is **83.7602, 0.3155, 0.3322**.

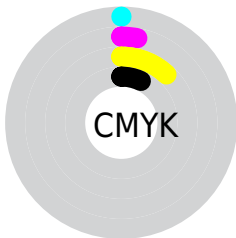
Distribution



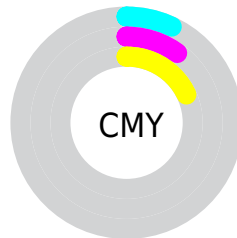
- Red (93%)
- Green (90%)
- Blue (82%)



- Red (86%)
- Yellow (93%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (12%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6466, 0.3314, 0.3500 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 78.6466, 0.3314, 0.3500 by changing the saturation by 10% instead.

78.6466, 0.3314,
0.3500

78.6466, 0.3314,
0.3500

490.3600, 0.3229,
0.3404

58.6053, 0.3333,
0.3522

131.4612, 0.3285,
0.3467

42.2955, 0.3357,
0.3548

165.0033, 0.3273,
0.3454

29.3327, 0.3386,
0.3582

203.8145, 0.3263,
0.3443

19.3327, 0.3425,
0.3625

248.2791, 0.3255,
0.3433

11.9109, 0.3476,
0.3684

298.7816, 0.3247,
0.3425

6.6830, 0.3549,
0.3767

355.7063, 0.3240,

3.2647, 0.3660,

0.3417

419.4376, 0.3234,
0.3410

0.3893

1.2714, 0.3904,
0.4170

0.1189, 0.4536,
0.5464

78.6466, 0.3314,
0.3500

78.6466, 0.3314,
0.3500

73.8628, 0.3488,
0.3686

83.7602, 0.3155,
0.3322

69.3890, 0.3674,
0.3874

89.1095, 0.3018,
0.3167

65.2188, 0.3870,
0.4057

93.2578, 0.3018,
0.3235

61.3415, 0.4069,
0.4228

96.7530, 0.3018,
0.3290

■ 57.7454, 0.4265,
0.4374

■ 54.4177, 0.4447,
0.4486

■ 51.3438, 0.4607,
0.4553

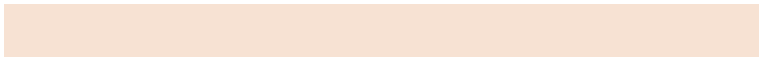
■ 48.5067, 0.4738,
0.4570

■ 46.3416, 0.4824,
0.4552

Harmonies

Analogous

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



78.6466, 0.3371, 0.3438



78.6466, 0.3314, 0.3500



78.6466, 0.3207, 0.3506

Triad

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



78.6466, 0.3314, 0.3500



78.6466, 0.2898, 0.3234



78.6466, 0.3171, 0.3137

Complementary

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



78.6466, 0.3314, 0.3500



69.3448, 0.2942, 0.3071

Split Complementary

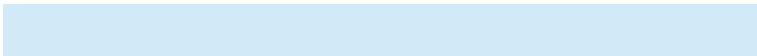
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6466, 0.3044, 0.3084



78.6466, 0.3314, 0.3500



78.6466, 0.2889, 0.3137

Square

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



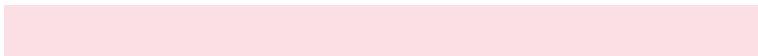
78.6466, 0.3314, 0.3500



78.6466, 0.2968, 0.3350



78.6466, 0.2942, 0.3083



78.6466, 0.3288, 0.3229

Rectangle

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



78.6466, 0.3314, 0.3500



78.6466, 0.3122, 0.3475



78.6466, 0.2942, 0.3083



78.6466, 0.3128, 0.3114

Sweetspot

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



78.6501, 0.3314, 0.3500



97.5029, 0.3188, 0.3360



68.6574, 0.3279, 0.3201



20.7706, 0.3200, 0.3373



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.



78.6501, 0.3314, 0.3500



91.5334, 0.3352, 0.3541



82.2645, 0.3265, 0.3585



16.8524, 0.3275, 0.3457



25.5248, 0.4811, 0.4562



2.1676, 0.4705, 0.4646

Inverse Universe

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



69.3448, 0.2942, 0.3071



78.6798, 0.2905, 0.3026



66.1204, 0.2979, 0.2984



15.2546, 0.2980, 0.3117



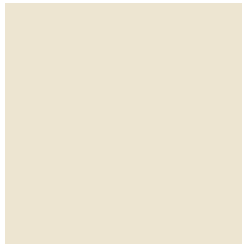
5.8006, 0.1603, 0.0971



0.6152, 0.1678, 0.1241

Previews

White Background



This preview shows how the Yxy color 78.6466, 0.3314, 0.3500 looks on a white background.

Color Contrast Check

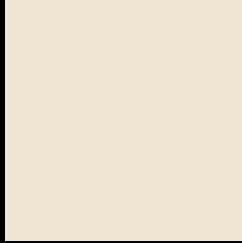
Large Text (above 18pt) WCAG AA × Fail

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 78.6466, 0.3314, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

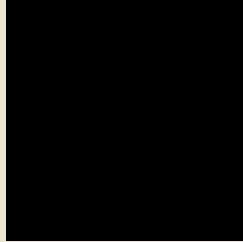
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

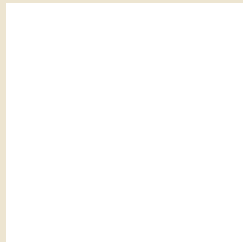
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6466, 0.3314, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 78.6466, 0.3314, 0.3500.

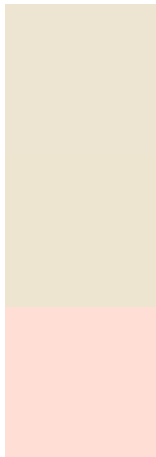


This preview shows how white text looks on a background with the Yxy color 78.6466, 0.3314, 0.3500.

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

78.6466, 0.3314, 0.3500

Protanopia

78.8192, 0.3321, 0.3500

Deuteranopia

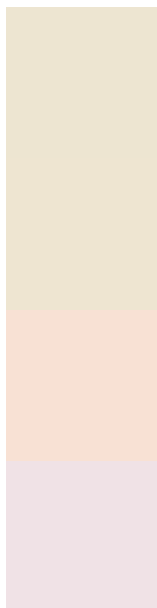
78.3066, 0.3428, 0.3382



Tritanopia

78.5994, 0.3136, 0.3108

Trichromacy



Original Color

78.6466, 0.3314, 0.3500

Protanomaly

78.8192, 0.3321, 0.3500

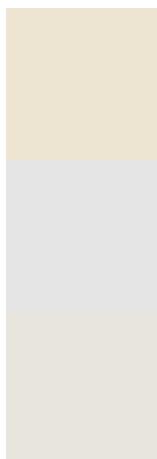
Deuteranomaly

78.5604, 0.3379, 0.3424

Tritanomaly

78.6311, 0.3199, 0.3249

Monochromacy



Original Color

78.6466, 0.3314, 0.3500

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.4684, 0.3193, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6466, 0.3314, 0.3500 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(237, 229, 209)` looks like.

```
.text, #text, p{  
    color:rgb(237, 229, 209)  
}
```

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(237, 229, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 229, 209) }
```

Border

The CSS property to change the border of an element to Yxy 78.6466, 0.3314, 0.3500 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(237, 229, 209) }
```

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

```
.border{ border-color:rgb(237, 229, 209) }
```

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

Here you see how a box with a 4 pixel rgb(237, 229, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 229, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 229, 209);  
box-shadow:4px 4px 4px 4px rgb(237, 229,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6466, 0.3314, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 229, 209) }
```

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

```
.background{ background-color: rgb(237,  
229, 209) }
```

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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