

Converting Colors

$Yxy(78.9580, 0.3404, 0.3678)$

Have a look what the booklet for
Yxy(78.9580, 0.3404, 0.3678)
contains.

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Color

Yxy(78.8797, 0.3404, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	ECE7C2
RGB	236, 231, 194
RGB Percent	93%, 91%, 76%
CMY	0.0742, 0.0942, 0.2392
CMYK	0.00, 0.02, 0.18, 0.07
HSL	53°, 53%, 84%
HSV	53°, 18%, 93%
XYZ	72.9241, 78.8797, 62.4268
YIQ	228.2770, 14.8570, -10.4470

Conversions

Conversions Part 2

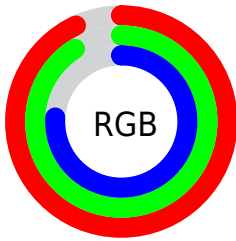
Format	Color
R _Y B	200, 236, 194
Decimal	15525826
CIE Lab	91.18, -4.25, 18.64
CIE LCh	91, 19.120, 102.833
Yxy	78.8797, 0.3404, 0.3682
Android (android.graphics.Color)	4293715906 (0xFFECE7C2)
YUV	228.2770, -16.8986, 6.7731
Hunter-Lab	88.8142, -8.8612, 20.4955

Details

The Yxy color **78.8797, 0.3404, 0.3682** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.4246, 0.2837, 0.2865**, and the grayscale version is **77.9235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **42.6474, 0.3467, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **76.3195, 0.3568, 0.3908**, and if you desaturate by 10%, it is **81.6415, 0.3245, 0.3459**.

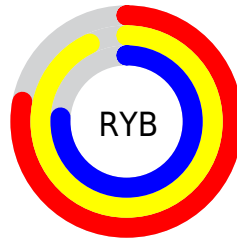
Distribution



Red (93%)

Green (91%)

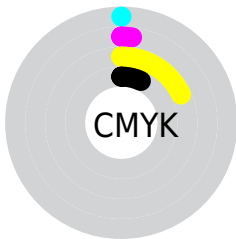
Blue (76%)



Red (78%)

Yellow (93%)

Blue (76%)

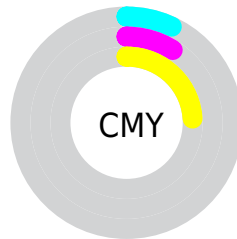


Cyan (0%)

Magenta (2%)

Yellow (18%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8797, 0.3404, 0.3682 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 78.8797, 0.3404, 0.3682 by changing the saturation by 10% instead.

78.8797, 0.3404,
0.3682

78.8797, 0.3404,
0.3682

491.1493, 0.3279,
0.3502

58.7969, 0.3432,
0.3723

131.7895, 0.3361,
0.3620

42.4497, 0.3466,
0.3773

165.3853, 0.3344,
0.3595

29.4535, 0.3508,
0.3836

204.2542, 0.3330,
0.3575

19.4242, 0.3562,
0.3918

248.7806, 0.3317,
0.3556

11.9772, 0.3634,
0.4028

299.3489, 0.3306,
0.3540

6.7281, 0.3732,
0.4183


356.3435, 0.3296,


3.2927, 0.3871,

0.3526

0.4415


420.1489, 0.3287,
0.3513


 1.2864, 0.4513,
0.5304


 0.1306, 0.1355,
0.8645


 78.8797, 0.3404,
0.3682


 78.8797, 0.3404,
0.3682


 76.3195, 0.3568,
0.3908


 81.6415, 0.3245,
0.3459


 73.9423, 0.3734,
0.4129

 84.6019, 0.3095,
0.3244

 71.7430, 0.3895,
0.4337

 87.1219, 0.3012,
0.3136

 69.7120, 0.4045,
0.4521

 88.8128, 0.3012,
0.3165

67.8388, 0.4177,
0.4671

90.5302, 0.3012,
0.3193

66.1115, 0.4284,
0.4781

92.2743, 0.3012,
0.3222

64.5159, 0.4365,
0.4844

94.0452, 0.3012,
0.3250

63.0331, 0.4417,
0.4865

95.8431, 0.3012,
0.3278

62.7181, 0.4427,
0.4867

96.5852, 0.3012,
0.3290

Harmonies

Analogous

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



78.8797, 0.3543, 0.3594



78.8797, 0.3404, 0.3682



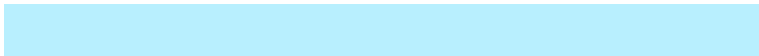
78.8797, 0.3194, 0.3661

Triad

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



78.8797, 0.3404, 0.3682



78.8797, 0.2706, 0.3123



78.8797, 0.3276, 0.3068

Complementary

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



78.8797, 0.3404, 0.3682



58.4246, 0.2837, 0.2865

Split Complementary

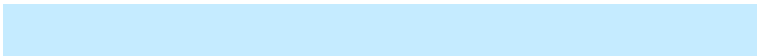
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8797, 0.3048, 0.2951



78.8797, 0.3404, 0.3682



78.8797, 0.2726, 0.2975

Square

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



78.8797, 0.3404, 0.3682



78.8797, 0.2795, 0.3327



78.8797, 0.2848, 0.2916



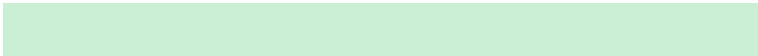
78.8797, 0.3468, 0.3241

Rectangle

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



78.8797, 0.3404, 0.3682



78.8797, 0.3043, 0.3583



78.8797, 0.2848, 0.2916



78.8797, 0.3201, 0.3021

Sweetspot

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



78.8832, 0.3404, 0.3682



98.2255, 0.3202, 0.3398



60.5866, 0.3427, 0.3230



20.9720, 0.3213, 0.3413



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.



78.8832, 0.3404, 0.3682



92.9538, 0.3457, 0.3756



79.2453, 0.3286, 0.3749



17.2977, 0.3271, 0.3495



34.6758, 0.4423, 0.4870



2.8106, 0.4387, 0.4899

Inverse Universe

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



58.4246, 0.2837, 0.2865



64.7771, 0.2778, 0.2777



58.2680, 0.2946, 0.2821



14.8425, 0.2980, 0.3076



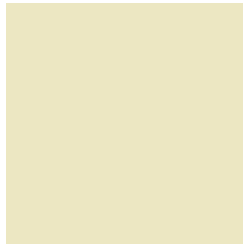
3.9085, 0.1525, 0.0691



0.4028, 0.1577, 0.0875

Previews

White Background



This preview shows how the Yxy color 78.8797, 0.3404, 0.3682 looks on a white background.

Color Contrast Check

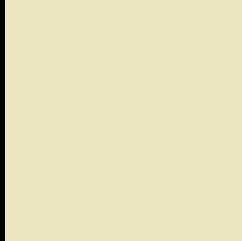
Large Text (above 18pt) WCAG AA × Fail

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 78.8797, 0.3404, 0.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

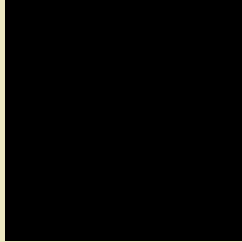
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

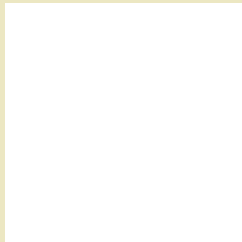
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8797, 0.3404, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 78.8797, 0.3404, 0.3682.



This preview shows how white text looks on a background with the Yxy color 78.8797, 0.3404, 0.3682.

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

78.8797, 0.3404, 0.3682

Protanopia

78.7661, 0.3458, 0.3667

Deuteranopia

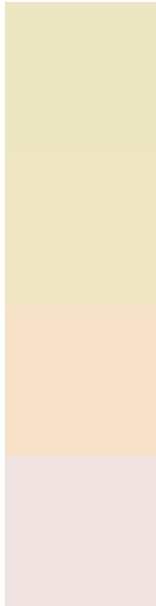
78.4916, 0.3475, 0.3463



Tritanopia

78.5994, 0.3136, 0.3108

Trichromacy



Original Color

78.8797, 0.3404, 0.3682

Protanomaly

78.9691, 0.3441, 0.3679

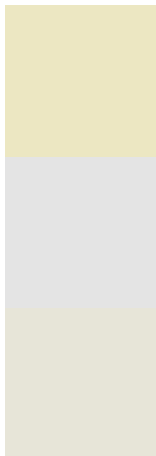
Deuteranomaly

78.6134, 0.3446, 0.3538

Tritanomaly

78.8997, 0.3231, 0.3311

Monochromacy



Original Color

78.8797, 0.3404, 0.3682

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.9854, 0.3225, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8797, 0.3404, 0.3682 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(236, 231, 194)` looks like.

```
.text, #text, p{  
    color:rgb(236, 231, 194)  
}
```

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(236, 231, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 231, 194) }
```

Border

The CSS property to change the border of an element to Yxy 78.8797, 0.3404, 0.3682 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(236, 231, 194) }
```

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

```
.border{ border-color:rgb(236, 231, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 231, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 231, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 231, 194);  
box-shadow:4px 4px 4px 4px rgb(236, 231,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8797, 0.3404, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 231, 194) }
```

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

```
.background{ background-color: rgb(236,  
231, 194) }
```

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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