

Converting Colors

$Yxy(81.4745, 0.3228, 0.3462)$

Have a look what the booklet for
Yxy(81.4745, 0.3228, 0.3462)
contains.

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Color

Yxy(81.4000, 0.3228, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	EAEADA
RGB	234, 234, 218
RGB Percent	92%, 92%, 85%
CMY	0.0824, 0.0823, 0.1450
CMYK	0.00, 0.00, 0.07, 0.08
HSL	60°, 28%, 89%
HSV	60°, 7%, 92%
XYZ	76.0079, 81.4000, 78.0564
YIQ	232.1760, 5.1360, -4.9760

Conversions

Conversions Part 2

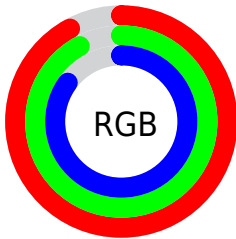
Format	Color
R _Y B	218, 234, 218
Decimal	15395546
CIE Lab	92.31, -2.75, 7.74
CIE LCh	92, 8.218, 109.569
Yxy	81.4000, 0.3228, 0.3457
Android (android.graphics.Color)	4293585626 (0xFFEAEADA)
YUV	232.1760, -6.9888, 1.5996
Hunter-Lab	90.2219, -7.5103, 11.8600

Details

The Yxy color **81.4000, 0.3228, 0.3457** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.0152, 0.3023, 0.3117**, and the grayscale version is **80.8868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9501, 0.3250, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **80.2567, 0.3379, 0.3708**, and if you desaturate by 10%, it is **82.7233, 0.3081, 0.3214**.

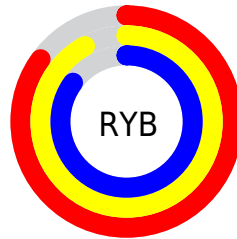
Distribution



Red (92%)

Green (92%)

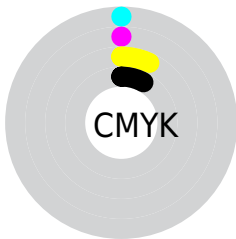
Blue (85%)



Red (85%)

Yellow (92%)

Blue (85%)

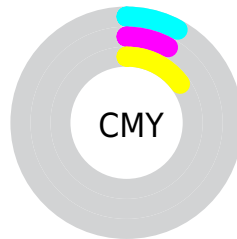


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (8%)



Cyan (8%)

Magenta (8%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4000, 0.3228, 0.3457 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 81.4000, 0.3228, 0.3457 by changing the saturation by 10% instead.

81.4000, 0.3228,
0.3457

81.4000, 0.3228,
0.3457

499.6385, 0.3182,
0.3381

60.8711, 0.3238,
0.3474

135.3323, 0.3212,
0.3431

44.1211, 0.3251,
0.3495

169.5044, 0.3206,
0.3421

30.7658, 0.3266,
0.3522

208.9931, 0.3201,
0.3412

20.4205, 0.3286,
0.3556

254.1828, 0.3196,
0.3404

12.7011, 0.3313,
0.3603

305.4577, 0.3192,
0.3397

7.2231, 0.3350,
0.3669

363.2024, 0.3189,

3.6020, 0.3407,

0.3391

0.3770

427.8012, 0.3185,
0.3386

■ 1.4535, 0.3500,
0.3943

■ 0.2557, 0.4075,
0.5925

■ 81.4000, 0.3228,
0.3457

■ 81.4000, 0.3228,
0.3457

■ 80.2567, 0.3379,
0.3708

■ 82.7233, 0.3081,
0.3214

■ 79.2757, 0.3531,
0.3960


■ 83.5732, 0.3000,
0.3079


■ 78.4527, 0.3679,
0.4205


■ 83.5798, 0.3000,
0.3079

■ 77.7794, 0.3817,
0.4433


■ 83.5865, 0.3000,
0.3079

 77.2468, 0.3939,
0.4635

 83.5931, 0.3000,
0.3079


 76.8448, 0.4039,
0.4801

 83.5998, 0.3001,
0.3079


 76.5619, 0.4113,
0.4926

 83.6065, 0.3001,
0.3079

 76.3848, 0.4162,
0.5007

 83.6131, 0.3001,
0.3079

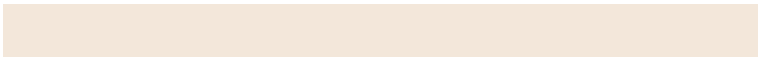
 76.2964, 0.4186,
0.5047

 83.6198, 0.3001,
0.3079

Harmonies

Analogous

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



81.4000, 0.3294, 0.3433



81.4000, 0.3228, 0.3457



81.4000, 0.3136, 0.3435

Triad

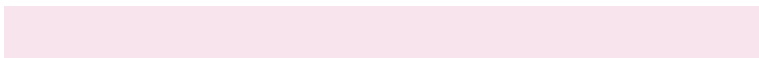
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4000, 0.3228, 0.3457



81.4000, 0.2943, 0.3205



81.4000, 0.3212, 0.3209

Complementary

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



81.4000, 0.3228, 0.3457



71.0152, 0.3023, 0.3117

Split Complementary

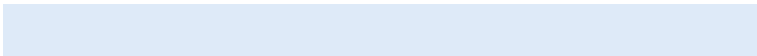
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4000, 0.3117, 0.3151



81.4000, 0.3228, 0.3457



81.4000, 0.2962, 0.3147

Square

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



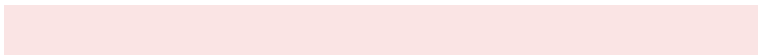
81.4000, 0.3228, 0.3457



81.4000, 0.2972, 0.3288



81.4000, 0.3026, 0.3128



81.4000, 0.3285, 0.3290

Rectangle

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



81.4000, 0.3228, 0.3457



81.4000, 0.3072, 0.3397



81.4000, 0.3026, 0.3128



81.4000, 0.3181, 0.3187

Sweetspot

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



81.4035, 0.3228, 0.3457



99.6742, 0.3157, 0.3339



72.7171, 0.3243, 0.3290



21.3378, 0.3155, 0.3336



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.



81.4035, 0.3228, 0.3457



98.7486, 0.3246, 0.3487



80.0863, 0.3173, 0.3460



17.6256, 0.3268, 0.3523



42.8612, 0.4190, 0.5055



3.3661, 0.4191, 0.5055

Inverse Universe

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



71.0152, 0.3023, 0.3117



84.0078, 0.3003, 0.3085



72.2727, 0.3078, 0.3120



14.5502, 0.2980, 0.3046



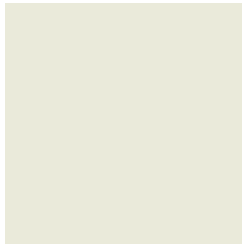
3.3402, 0.1501, 0.0600



0.2627, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 81.4000, 0.3228, 0.3457 looks on a white background.

Color Contrast Check

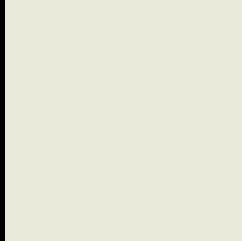
Large Text (above 18pt) WCAG AA × Fail

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 81.4000, 0.3228, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

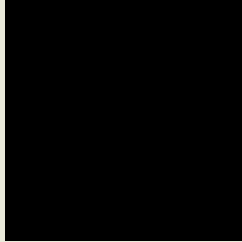
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

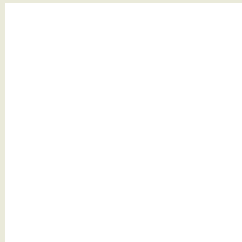
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4000, 0.3228, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 81.4000, 0.3228, 0.3457.

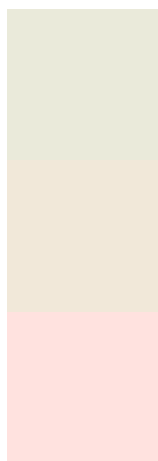


This preview shows how white text looks on a background with the Yxy color 81.4000, 0.3228, 0.3457.

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

81.4000, 0.3228, 0.3457

Protanopia

81.4238, 0.3286, 0.3445

Deuteranopia

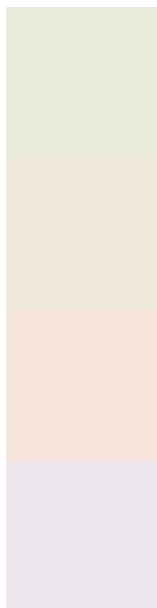
80.9804, 0.3352, 0.3321



Tritanopia

81.5481, 0.3068, 0.3108

Trichromacy



Original Color

81.4000, 0.3228, 0.3457

Protanomaly

81.4647, 0.3264, 0.3456

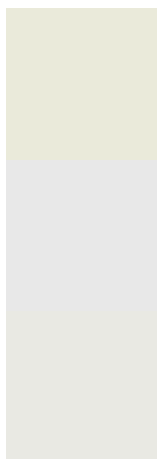
Deuteranomaly

81.0332, 0.3305, 0.3372

Tritanomaly

81.2708, 0.3130, 0.3229

Monochromacy



Original Color

81.4000, 0.3228, 0.3457

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.1475, 0.3165, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4000, 0.3228, 0.3457 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(234, 234, 218)` looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 218)  
}
```

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(234, 234, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 218) }
```

Border

The CSS property to change the border of an element to Yxy 81.4000, 0.3228, 0.3457 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(234, 234, 218) }
```

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

```
.border{ border-color:rgb(234, 234, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 234, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 234, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 234, 218);  
box-shadow:4px 4px 4px 4px rgb(234, 234,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4000, 0.3228, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 234, 218) }
```

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

```
.background{ background-color: rgb(234,  
234, 218) }
```

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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