

Converting Colors

$Y_{xy}(83.8029, 0.3256, 0.3382)$

Have a look what the booklet for
Yxy(83.8029, 0.3256, 0.3382)
contains.

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Color

Yxy(83.6944, 0.3259, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	F5EAE1
RGB	245, 234, 225
RGB Percent	96%, 92%, 88%
CMY	0.0395, 0.0822, 0.1177
CMYK	0.00, 0.04, 0.08, 0.04
HSL	27°, 50%, 92%
HSV	27°, 8%, 96%
XYZ	80.6505, 83.6944, 83.1252
YIQ	236.2630, 9.4450, -0.4670

Conversions

Conversions Part 2

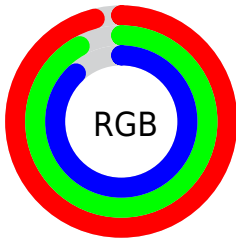
Format	Color
R_{YB}	245, 241, 225
Decimal	16116449
CIE Lab	93.32, 2.16, 5.69
CIE LCh	93, 6.086, 69.162
Yxy	83.6944, 0.3259, 0.3382
Android (android.graphics.Color)	4294306529 (0xFF5EAE1)
YUV	236.2630, -5.5527, 7.6623
Hunter-Lab	91.4846, -2.7371, 10.1669

Details

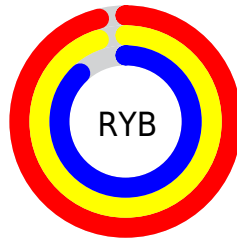
The Yxy color **83.6944, 0.3259, 0.3382** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.5211, 0.3001, 0.3196**, and the grayscale version is **84.1261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5619, 0.3290, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **75.1165, 0.3443, 0.3501**, and if you desaturate by 10%, it is **93.0476, 0.3099, 0.3270**.

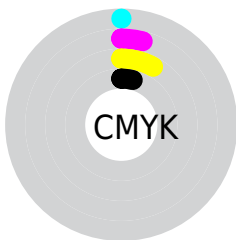
Distribution



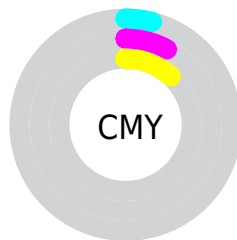
- Red (96%)
- Green (92%)
- Blue (88%)



- Red (96%)
- Yellow (95%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (4%)




- Cyan (4%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6944, 0.3259, 0.3382 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 83.6944, 0.3259, 0.3382 by changing the saturation by 10% instead.

 83.6944, 0.3259,
0.3382

 83.6944, 0.3259,
0.3382

507.2979, 0.3199,
0.3341

 62.7632, 0.3272,
0.3391


138.5476, 0.3239,
0.3368

 45.6496, 0.3289,
0.3402


173.2384, 0.3231,
0.3362

 31.9694, 0.3309,
0.3416


213.2844, 0.3224,
0.3358

 21.3381, 0.3336,
0.3434

259.0701, 0.3218,
0.3353

 13.3714, 0.3371,
0.3458

310.9800, 0.3212,
0.3350

 7.6848, 0.3421,
0.3491

369.3983, 0.3207,

 3.8939, 0.3496,

0.3346

0.3540

434.7094, 0.3203,
0.3343

■ 1.6144, 0.3622,
0.3622

■ 0.3673, 0.5210,
0.4761

■ 83.6944, 0.3259,
0.3382

■ 83.6944, 0.3259,
0.3382

■ 75.1165, 0.3443,
0.3501

■ 93.0476, 0.3099,
0.3270

■ 67.2821, 0.3655,
0.3625

■ 98.1408, 0.3065,
0.3290

■ 60.1731, 0.3895,
0.3749

■ 53.7665, 0.4162,
0.3866

■ 48.0378, 0.4451,
0.3968

■ 42.9610, 0.4751,
0.4041

■ 38.5076, 0.5045,
0.4072

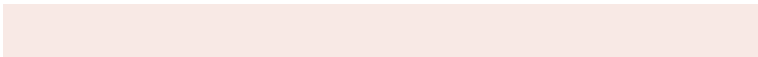
■ 34.6462, 0.5312,
0.4050

■ 31.3384, 0.5533,
0.3975

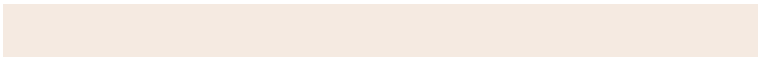
Harmonies

Analogous

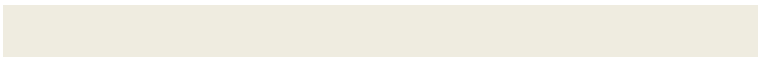
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6944, 0.3261, 0.3330



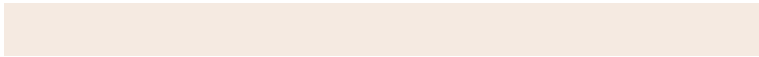
83.6944, 0.3259, 0.3382



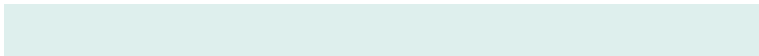
83.6944, 0.3221, 0.3410

Triad

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



83.6944, 0.3259, 0.3382



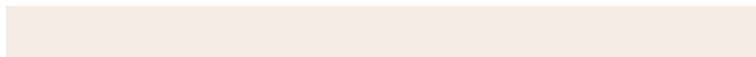
83.6944, 0.3028, 0.3311



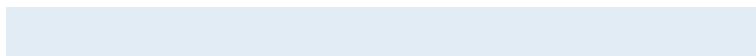
83.6944, 0.3095, 0.3178

Complementary

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



83.6944, 0.3259, 0.3382



82.5211, 0.3001, 0.3196

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.



83.6944, 0.3033, 0.3172



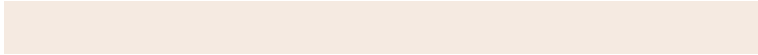
83.6944, 0.3259, 0.3382



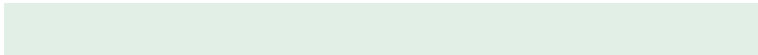
83.6944, 0.2995, 0.3248

Square

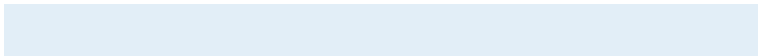
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6944, 0.3259, 0.3382



83.6944, 0.3088, 0.3369



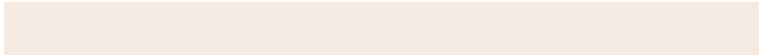
83.6944, 0.2997, 0.3197



83.6944, 0.3166, 0.3213

Rectangle

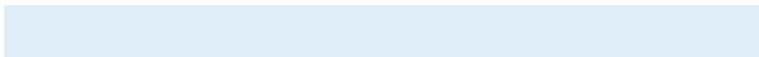
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6944, 0.3259, 0.3382



83.6944, 0.3181, 0.3411



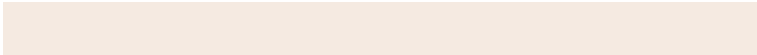
83.6944, 0.2997, 0.3197



83.6944, 0.3073, 0.3173

Sweetspot

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



83.6981, 0.3259, 0.3382



97.9100, 0.3158, 0.3312



79.2960, 0.3195, 0.3179



20.9788, 0.3157, 0.3311



0.0000, 0.0000, 0.0000



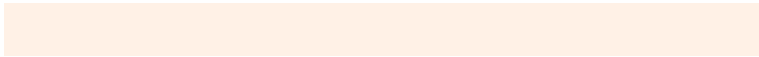
21.4041, 0.3127, 0.3290

Same Dimension

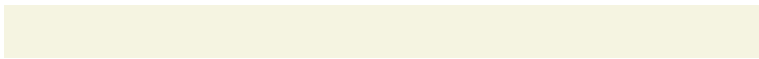
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6981, 0.3259, 0.3382



89.8915, 0.3292, 0.3404



89.4998, 0.3249, 0.3480



17.7199, 0.3282, 0.3398



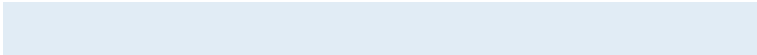
16.8595, 0.5544, 0.3980



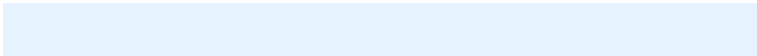
1.6843, 0.5333, 0.4148

Inverse Universe

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



82.5211, 0.3001, 0.3196



88.3250, 0.2972, 0.3173



76.9761, 0.3001, 0.3092



17.4282, 0.2980, 0.3180



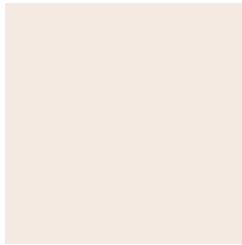
13.0069, 0.1816, 0.1736



1.3485, 0.1874, 0.1946

Previews

White Background



This preview shows how the Yxy color 83.6944, 0.3259, 0.3382 looks on a white background.

Color Contrast Check

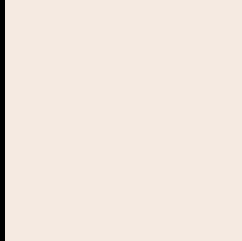
Large Text (above 18pt) WCAG AA × Fail

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 83.6944, 0.3259, 0.3382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

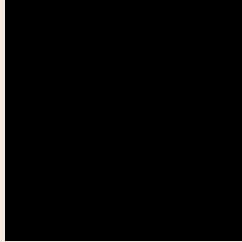
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

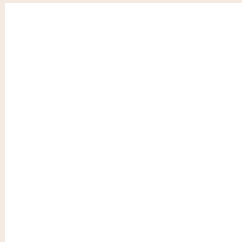
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6944, 0.3259, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 83.6944, 0.3259, 0.3382.

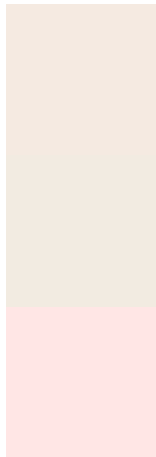


This preview shows how white text looks on a background with the Yxy color 83.6944, 0.3259, 0.3382.

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

83.6944, 0.3259, 0.3382

Protanopia

83.7301, 0.3238, 0.3392

Deuteranopia

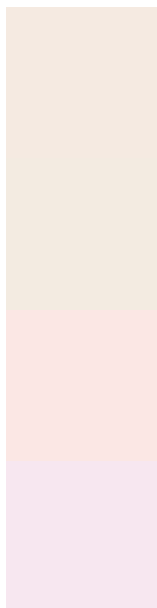
83.5108, 0.3307, 0.3300



Tritanopia

83.3896, 0.3129, 0.3102

Trichromacy



Original Color

83.6944, 0.3259, 0.3382

Protanomaly

83.9076, 0.3245, 0.3392

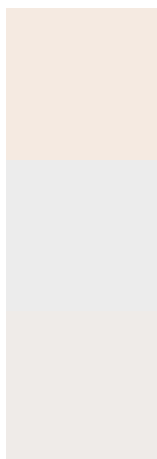
Deuteranomaly

83.2625, 0.3285, 0.3320

Tritanomaly

83.2173, 0.3179, 0.3200

Monochromacy



Original Color

83.6944, 0.3259, 0.3382

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.5936, 0.3173, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6944, 0.3259, 0.3382 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(245, 234, 225)` looks like.

```
.text, #text, p{  
    color:rgb(245, 234, 225)  
}
```

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(245, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 234, 225) }
```

Border

The CSS property to change the border of an element to Yxy 83.6944, 0.3259, 0.3382 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(245, 234, 225) }
```

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

```
.border{ border-color:rgb(245, 234, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 234, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(245, 234,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6944, 0.3259, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 234, 225) }
```

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

```
.background{ background-color: rgb(245,  
234, 225) }
```

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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