

Converting Colors

$Y_{xy}(83.4654, 0.3459, 0.3640)$

Have a look what the booklet for
Yxy(83.4654, 0.3459, 0.3640)
contains.

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Color

Yxy(83.3398, 0.3459, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	FAEAC8
RGB	250, 234, 200
RGB Percent	98%, 92%, 78%
CMY	0.0198, 0.0823, 0.2157
CMYK	0.00, 0.06, 0.20, 0.02
HSL	41°, 83%, 88%
HSV	41°, 20%, 98%
XYZ	79.2610, 83.3398, 66.5435
YIQ	234.9080, 20.4500, -7.1820

Conversions

Conversions Part 2

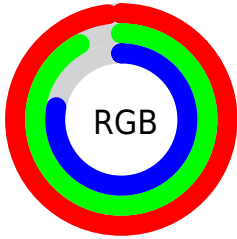
Format	Color
R_{YB}	224, 250, 200
Decimal	164444104
CIE _{Lab}	93.16, 0.10, 18.49
CIE _{LCh}	93, 18.488, 89.699
Yxy	83.3398, 0.3459, 0.3637
Android (android.graphics.Color)	4294634184 (0xFFFAEAC8)
YUV	234.9080, -17.2096, 13.2357
Hunter-Lab	91.2906, -4.7800, 20.6858

Details

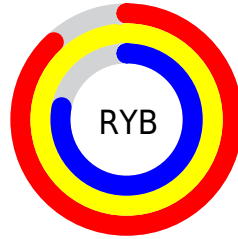
The Yxy color **83.3398, 0.3459, 0.3637** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.2535, 0.2804, 0.2917**, and the grayscale version is **83.1243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2536, 0.3533, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **77.8294, 0.3648, 0.3818**, and if you desaturate by 10%, it is **89.2531, 0.3285, 0.3460**.

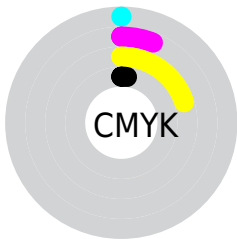
Distribution



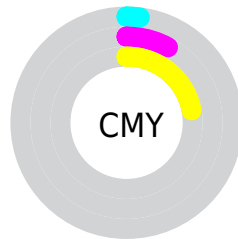
- Red (98%)
- Green (92%)
- Blue (78%)



- Red (88%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (6%)
- Yellow (20%)
- Black (2%)





- Cyan (2%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3398, 0.3459, 0.3637 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 83.3398, 0.3459, 0.3637 by changing the saturation by 10% instead.


 83.3398, 0.3459,
0.3637

 83.3398, 0.3459,
0.3637

506.1183, 0.3309,
0.3481

 62.4705, 0.3492,
0.3672


138.0513, 0.3408,
0.3584

 45.4130, 0.3533,
0.3714


172.6623, 0.3388,
0.3563

 31.7828, 0.3583,
0.3767


212.6226, 0.3370,
0.3544

 21.1957, 0.3648,
0.3834

258.3167, 0.3355,
0.3528

 13.2671, 0.3733,
0.3923

310.1289, 0.3342,
0.3514

 7.6127, 0.3850,
0.4045

368.4436, 0.3330,

 3.8482, 0.4019,

0.3502

0.4221

433.6453, 0.3319,
0.3491

■ 1.5890, 0.4456,
0.4678

■ 0.3502, 0.4891,
0.5109

■ 83.3398, 0.3459,
0.3637

■ 83.3398, 0.3459,
0.3637

■ 77.8294, 0.3648,
0.3818

■ 89.2531, 0.3285,
0.3460

■ 72.6988, 0.3849,
0.3997

■ 95.5694, 0.3127,
0.3290

■ 67.9390, 0.4057,
0.4164

■ 99.0571, 0.3096,
0.3290

■ 63.5361, 0.4265,
0.4310

■ 59.4751, 0.4463,
0.4423

■ 55.7390, 0.4641,
0.4493

■ 52.3080, 0.4791,
0.4511

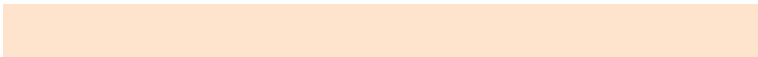
■ 49.1516, 0.4910,
0.4483

■ 49.1494, 0.4910,
0.4483

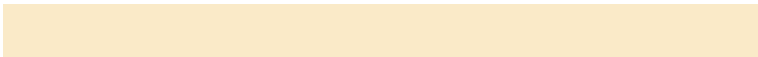
Harmonies

Analogous

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



83.3398, 0.3546, 0.3518



83.3398, 0.3459, 0.3637



83.3398, 0.3283, 0.3664

Triad

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



83.3398, 0.3459, 0.3637



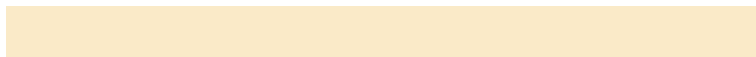
83.3398, 0.2752, 0.3213



83.3398, 0.3174, 0.3022

Complementary

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



83.3398, 0.3459, 0.3637



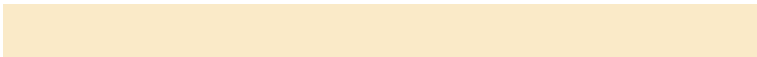
68.2535, 0.2804, 0.2917

Split Complementary

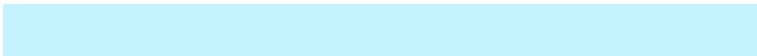
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3398, 0.2963, 0.2942



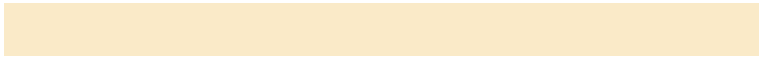
83.3398, 0.3459, 0.3637



83.3398, 0.2725, 0.3044

Square

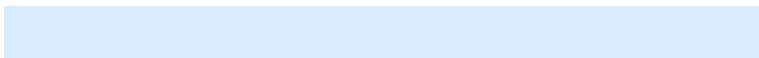
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3398, 0.3459, 0.3637



83.3398, 0.2876, 0.3413



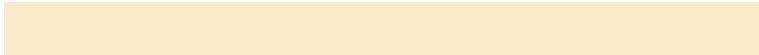
83.3398, 0.2800, 0.2948



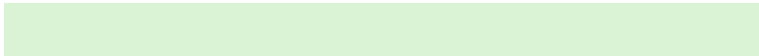
83.3398, 0.3379, 0.3167

Rectangle

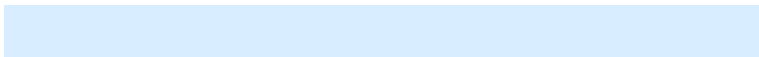
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3398, 0.3459, 0.3637



83.3398, 0.3141, 0.3621



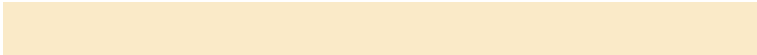
83.3398, 0.2800, 0.2948



83.3398, 0.3102, 0.2987

Sweetspot

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



83.3435, 0.3459, 0.3637



95.9787, 0.3220, 0.3391



66.6112, 0.3396, 0.3119



20.4517, 0.3231, 0.3402



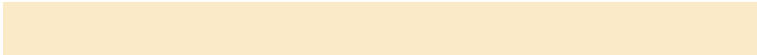
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

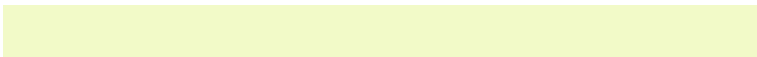
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3435, 0.3459, 0.3637



84.8358, 0.3533, 0.3710



91.3299, 0.3373, 0.3799



19.2022, 0.3277, 0.3451



26.3501, 0.4895, 0.4495



2.6315, 0.4790, 0.4578

Inverse Universe

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



68.2535, 0.2804, 0.2917



66.4144, 0.2733, 0.2831



61.6584, 0.2850, 0.2745



17.5468, 0.2979, 0.3124



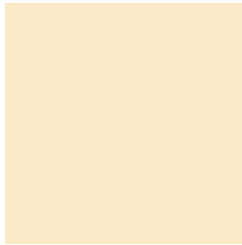
6.9136, 0.1623, 0.1041



0.8227, 0.1687, 0.1274

Previews

White Background



This preview shows how the Yxy color 83.3398, 0.3459, 0.3637 looks on a white background.

Color Contrast Check

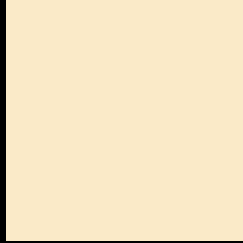
Large Text (above 18pt) WCAG AA × Fail

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 83.3398, 0.3459, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

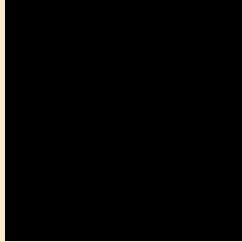
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

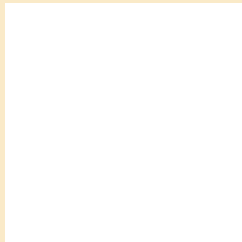
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3398, 0.3459, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 83.3398, 0.3459, 0.3637.

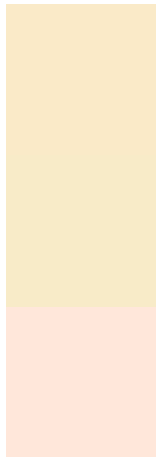


This preview shows how white text looks on a background with the Yxy color 83.3398, 0.3459, 0.3637.

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

83.3398, 0.3459, 0.3637

Protanopia

83.5433, 0.3443, 0.3648

Deuteranopia

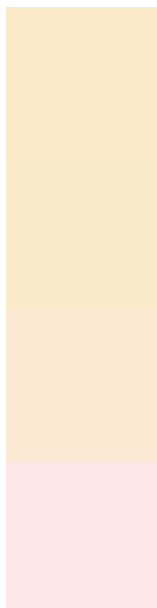
83.4738, 0.3379, 0.3421



Tritanopia

83.3394, 0.3204, 0.3124

Trichromacy



Original Color

83.3398, 0.3459, 0.3637

Protanomaly

83.7265, 0.3450, 0.3647

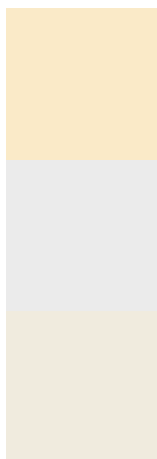
Deuteranomaly

83.2990, 0.3411, 0.3502

Tritanomaly

83.1334, 0.3293, 0.3300

Monochromacy



Original Color

83.3398, 0.3459, 0.3637

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.2159, 0.3243, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3398, 0.3459, 0.3637 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(250, 234, 200)` looks like.

```
.text, #text, p{  
    color:rgb(250, 234, 200)  
}
```

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(250, 234, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 234, 200) }
```

Border

The CSS property to change the border of an element to Yxy 83.3398, 0.3459, 0.3637 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(250, 234, 200) }
```

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

```
.border{ border-color:rgb(250, 234, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 234, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 234, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 234, 200);  
box-shadow:4px 4px 4px 4px rgb(250, 234,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3398, 0.3459, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 234, 200) }
```

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

```
.background{ background-color: rgb(250,  
234, 200) }
```

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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