

Converting Colors

$Y_{xy}(82.4475, 0.3463, 0.3665)$

Have a look what the booklet for
Yxy(82.4475, 0.3463, 0.3665)
contains.

Yxy(82.2655, 0.3467, 0.3660)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.2655, 0.3467, 0.3660)

Conversions

Conversions Part 1

Format	Color
Hex	F8E9C5
RGB	248, 233, 197
RGB Percent	97%, 91%, 77%
CMY	0.0274, 0.0862, 0.2276
CMYK	0.00, 0.06, 0.21, 0.03
HSL	42°, 78%, 87%
HSV	42°, 21%, 97%
XYZ	77.9275, 82.2655, 64.5762
YIQ	233.3810, 20.4960, -8.0160

Conversions

Conversions Part 2

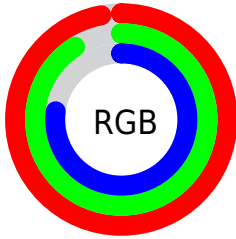
Format	Color
R _Y B	218, 248, 197
Decimal	16312773
CIE Lab	92.69, -0.53, 19.36
CIE LCh	93, 19.372, 91.558
Yxy	82.2655, 0.3467, 0.3660
Android (android.graphics.Color)	4294502853 (0xFFFF8E9C5)
YUV	233.3810, -17.9358, 12.8209
Hunter-Lab	90.7003, -5.3628, 21.2774

Details

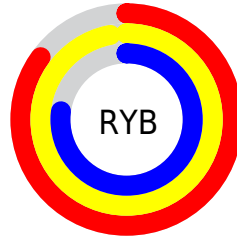
The Yxy color **82.2655, 0.3467, 0.3660** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.7174, 0.2793, 0.2890**, and the grayscale version is **81.9151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **44.5038, 0.3543, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **77.1816, 0.3653, 0.3847**, and if you desaturate by 10%, it is **87.7143, 0.3294, 0.3476**.

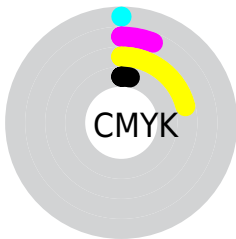
Distribution



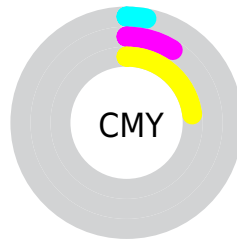
- Red (97%)
- Green (91%)
- Blue (77%)



- Red (85%)
- Yellow (97%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (21%)
- Black (3%)





- Cyan (3%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2655, 0.3467, 0.3660 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 82.2655, 0.3467, 0.3660 by changing the saturation by 10% instead.

 82.2655, 0.3467,
0.3660

 82.2655, 0.3467,
0.3660


502.5353, 0.3314,
0.3493

 61.5844, 0.3501,
0.3697


136.5463, 0.3415,
0.3603

 44.6970, 0.3543,
0.3743


170.9147, 0.3394,
0.3580

 31.2188, 0.3594,
0.3799


210.6144, 0.3376,
0.3561

 20.7655, 0.3661,
0.3872

256.0297, 0.3360,
0.3544

 12.9527, 0.3748,
0.3968

307.5451, 0.3347,
0.3529

 7.3960, 0.3867,
0.4100


365.5449, 0.3334,


 3.7110, 0.4039,


0.3515


0.4290


430.4135, 0.3323,
0.3503


 1.5132, 0.4567,
0.4867


 0.2980, 0.4757,
0.5243


 82.2655, 0.3467,
0.3660


 82.2655, 0.3467,
0.3660


 77.1816, 0.3653,
0.3847


 87.7143, 0.3294,
0.3476


 72.4404, 0.3850,
0.4031

 93.5275, 0.3136,
0.3300

 68.0337, 0.4051,
0.4202

 98.6188, 0.3084,
0.3289

 63.9483, 0.4250,
0.4351

 98.6979, 0.3084,
0.3290

■ 60.1701, 0.4438,
0.4467

■ 56.6829, 0.4604,
0.4538

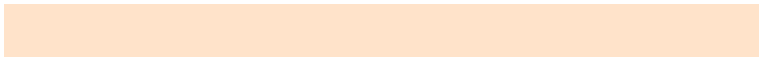
■ 53.4678, 0.4740,
0.4559

■ 50.6604, 0.4842,
0.4537

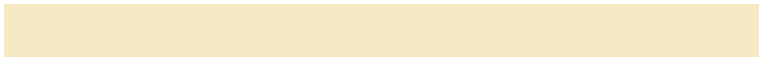
Harmonies

Analogous

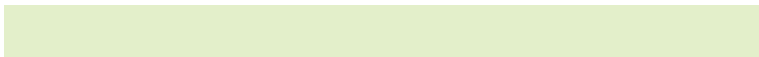
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2655, 0.3566, 0.3539



82.2655, 0.3467, 0.3660



82.2655, 0.3277, 0.3682

Triad

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



82.2655, 0.3467, 0.3660



82.2655, 0.2728, 0.3196



82.2655, 0.3191, 0.3016

Complementary

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



82.2655, 0.3467, 0.3660



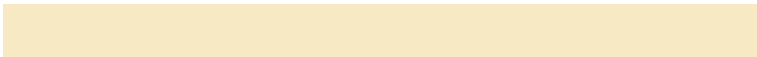
65.7174, 0.2793, 0.2890

Split Complementary

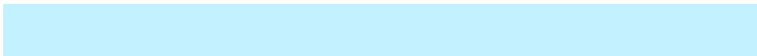
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2655, 0.2967, 0.2927



82.2655, 0.3467, 0.3660



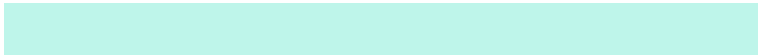
82.2655, 0.2706, 0.3022

Square

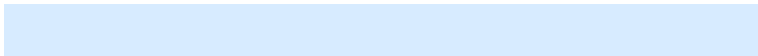
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2655, 0.3467, 0.3660



82.2655, 0.2853, 0.3407



82.2655, 0.2792, 0.2927



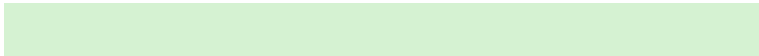
82.2655, 0.3404, 0.3172

Rectangle

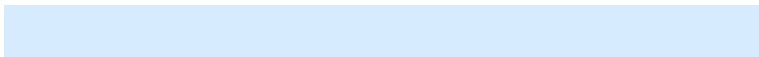
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2655, 0.3467, 0.3660



82.2655, 0.3128, 0.3632



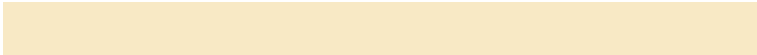
82.2655, 0.2792, 0.2927



82.2655, 0.3114, 0.2978

Sweetspot

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



82.2692, 0.3467, 0.3660



96.2175, 0.3220, 0.3395



64.6448, 0.3419, 0.3131



20.5082, 0.3230, 0.3406



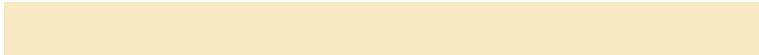
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.2692, 0.3467, 0.3660



85.1742, 0.3549, 0.3743



89.3123, 0.3369, 0.3816



19.2785, 0.3276, 0.3457



27.6197, 0.4829, 0.4547



2.7416, 0.4735, 0.4622

Inverse Universe

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



65.7174, 0.2793, 0.2890



64.4163, 0.2714, 0.2791



59.9881, 0.2852, 0.2730



17.4743, 0.2979, 0.3118



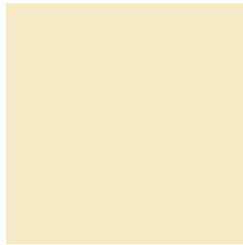
6.4380, 0.1606, 0.0981



0.7713, 0.1670, 0.1211

Previews

White Background



This preview shows how the Yxy color 82.2655, 0.3467, 0.3660 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 82.2655, 0.3467, 0.3660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

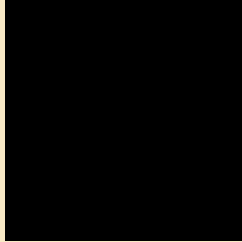
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

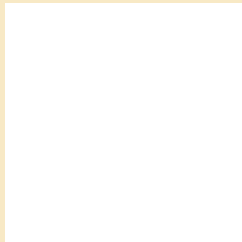
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2655, 0.3467, 0.3660

Background



This preview shows how black text looks on a background with the Yxy color 82.2655, 0.3467, 0.3660.

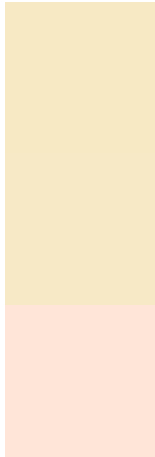


This preview shows how white text looks on a background with the Yxy color 82.2655, 0.3467, 0.3660.

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

82.2655, 0.3467, 0.3660

Protanopia

82.0832, 0.3460, 0.3661

Deuteranopia

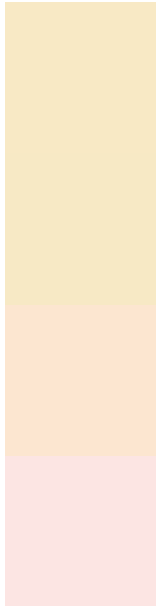
82.2049, 0.3403, 0.3431



Tritanopia

81.9952, 0.3205, 0.3113

Trichromacy



Original Color

82.2655, 0.3467, 0.3660

Protanomaly

82.0832, 0.3460, 0.3661

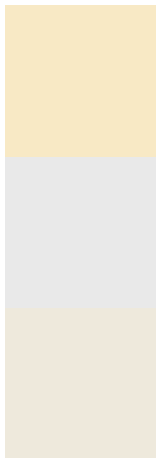
Deuteranomaly

81.8431, 0.3427, 0.3514

Tritanomaly

82.2801, 0.3300, 0.3311

Monochromacy



Original Color

82.2655, 0.3467, 0.3660

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.6223, 0.3244, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2655, 0.3467, 0.3660 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(248, 233, 197)` looks like.

```
.text, #text, p{  
    color:rgb(248, 233, 197)  
}
```

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(248, 233, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 233, 197) }
```

Border

The CSS property to change the border of an element to Yxy 82.2655, 0.3467, 0.3660 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(248, 233, 197) }
```

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

```
.border{ border-color:rgb(248, 233, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 233, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 233, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 233, 197);  
box-shadow:4px 4px 4px 4px rgb(248, 233,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2655, 0.3467, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 233, 197) }
```

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

```
.background{ background-color: rgb(248,  
233, 197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor