

Converting Colors

$Yxy(86.8210, 0.3541, 0.3567)$

Have a look what the booklet for
Yxy(86.8210, 0.3541, 0.3567)
contains.

Yxy(84.5619, 0.3455, 0.3572)	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(84.5619, 0.3455, 0.3572)

Conversions

Conversions Part 1

Format	Color
Hex	FFEACE
RGB	255, 234, 206
RGB Percent	100%, 92%, 81%
CMY	0.0001, 0.0823, 0.1923
CMYK	0.00, 0.08, 0.19, 0.00
HSL	34°, 100%, 90%
HSV	34°, 19%, 100%
XYZ	81.7921, 84.5619, 70.3814
YIQ	237.0870, 21.5040, -4.2560

Conversions

Conversions Part 2

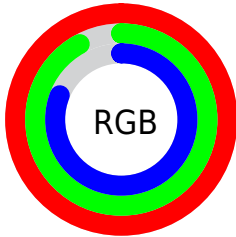
Format	Color
R _Y B	243, 255, 206
Decimal	16771790
CIE Lab	93.69, 2.77, 16.20
CIE LCh	94, 16.435, 80.313
Yxy	84.5619, 0.3455, 0.3572
Android (android.graphics.Color)	4294961870 (0xFFFFEACE)
YUV	237.0870, -15.3259, 15.7097
Hunter-Lab	91.9575, -2.1580, 18.9916

Details

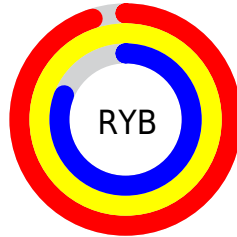
The Yxy color $84.5619, 0.3455, 0.3572$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $75.2294, 0.2820, 0.2991$, and the grayscale version is $84.8648, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.1136, 0.3527, 0.3624$ is the 20% darker color. If you saturate the color by 10%, you get $77.4071, 0.3656, 0.3727$, and if you desaturate by 10%, it is $92.3072, 0.3275, 0.3422$.

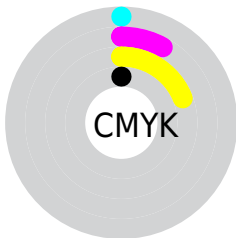
Distribution



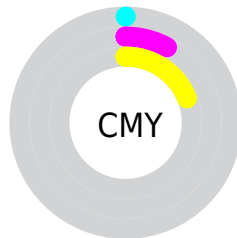
- Red (100%)
- Green (92%)
- Blue (81%)



- Red (95%)
- Yellow (100%)
- Blue (81%)



- Cyan (0%)
- Magenta (8%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5619, 0.3455, 0.3572 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 84.5619, 0.3455, 0.3572 by changing the saturation by 10% instead.


 84.5619, 0.3455,
0.3572

 84.5619, 0.3455,
0.3572

510.1773, 0.3307,
0.3446

 63.4795, 0.3488,
0.3600


139.7609, 0.3404,
0.3529

 46.2292, 0.3528,
0.3633


174.6463, 0.3384,
0.3512

 32.4267, 0.3578,
0.3675


214.9014, 0.3367,
0.3498

 21.6876, 0.3643,
0.3728

260.9107, 0.3352,
0.3485

 13.6276, 0.3728,
0.3798

313.0585, 0.3339,
0.3473

 7.8621, 0.3846,
0.3894

371.7293, 0.3327,

 4.0068, 0.4019,

0.3463

0.4030

437.3074, 0.3317,
0.3454

■ 1.6774, 0.4364,
0.4306

■ 0.4089, 0.5273,
0.4727

■ 84.5619, 0.3455,
0.3572

■ 84.5619, 0.3455,
0.3572

■ 77.4071, 0.3656,
0.3727

■ 92.3072, 0.3275,
0.3422

■ 70.8151, 0.3876,
0.3880

99.9946, 0.3127,
0.3290

■ 64.7721, 0.4113,
0.4025

■ 59.2594, 0.4360,
0.4152

■ 54.2569, 0.4605,
0.4246

■ 49.7421, 0.4837,
0.4298

■ 45.6900, 0.5040,
0.4296

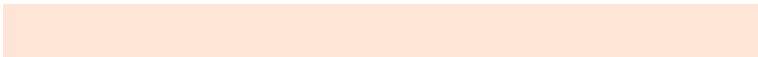
■ 42.0660, 0.5208,
0.4242

■ 41.7985, 0.5220,
0.4237

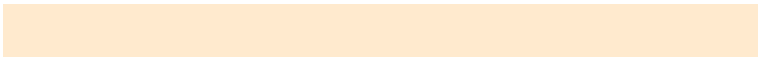
Harmonies

Analogous

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



84.5619, 0.3501, 0.3448



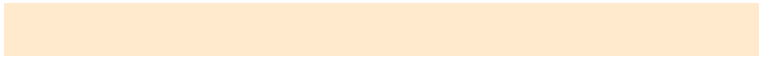
84.5619, 0.3455, 0.3572



84.5619, 0.3320, 0.3623

Triad

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



84.5619, 0.3455, 0.3572



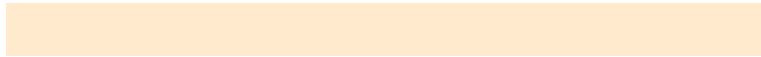
84.5619, 0.2821, 0.3278



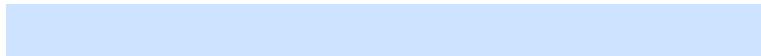
84.5619, 0.3109, 0.3022

Complementary

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



84.5619, 0.3455, 0.3572



75.2294, 0.2820, 0.2991

Split Complementary

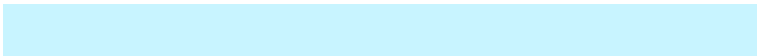
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5619, 0.2930, 0.2974



84.5619, 0.3455, 0.3572



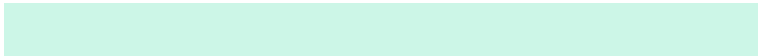
84.5619, 0.2767, 0.3115

Square

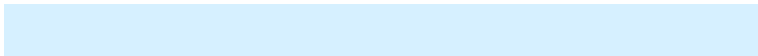
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5619, 0.3455, 0.3572



84.5619, 0.2954, 0.3451



84.5619, 0.2807, 0.3006



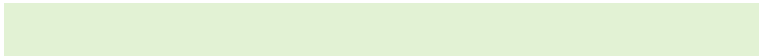
84.5619, 0.3298, 0.3136

Rectangle

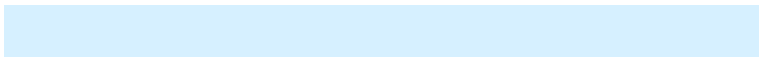
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5619, 0.3455, 0.3572



84.5619, 0.3200, 0.3605



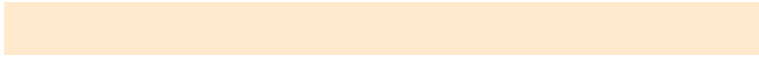
84.5619, 0.2807, 0.3006



84.5619, 0.3046, 0.2998

Sweetspot

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



84.5657, 0.3455, 0.3572



94.9504, 0.3221, 0.3375



70.9385, 0.3348, 0.3077



20.2085, 0.3232, 0.3384



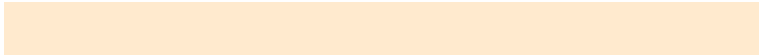
0.0000, 0.0000, 0.0000



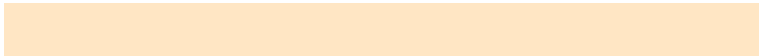
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5657, 0.3455, 0.3572



81.8125, 0.3528, 0.3630



96.5969, 0.3396, 0.3774



19.7136, 0.3280, 0.3426



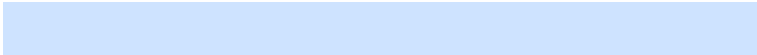
22.1484, 0.5199, 0.4254



2.3734, 0.5053, 0.4370

Inverse Universe

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



75.2294, 0.2820, 0.2991



70.9413, 0.2757, 0.2924



64.9343, 0.2828, 0.2763



18.6547, 0.2979, 0.3150



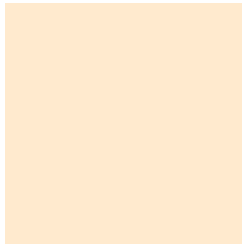
9.7728, 0.1706, 0.1341



1.1630, 0.1767, 0.1562

Previews

White Background



This preview shows how the Yxy color 84.5619, 0.3455, 0.3572 looks on a white background.

Color Contrast Check

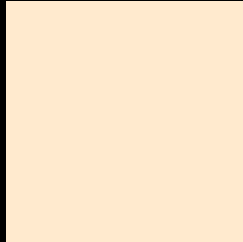
Large Text (above 18pt) WCAG AA × Fail

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 84.5619, 0.3455, 0.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

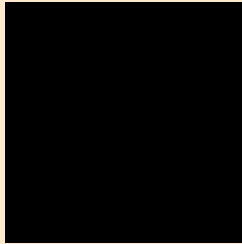
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5619, 0.3455, 0.3572

Background



This preview shows how black text looks on a background with the Yxy color 84.5619, 0.3455, 0.3572.

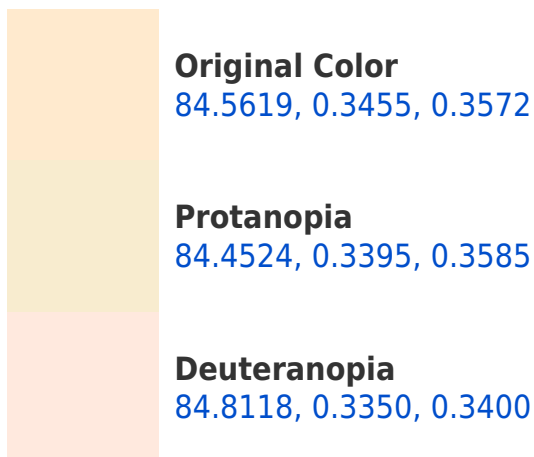


This preview shows how white text looks on a background with the Yxy color 84.5619, 0.3455, 0.3572.

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

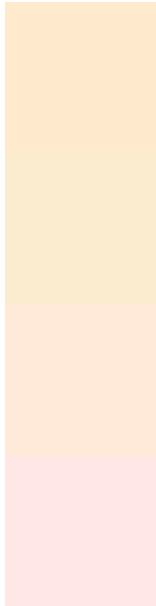




Tritanopia

84.3853, 0.3209, 0.3153

Trichromacy



Original Color

84.5619, 0.3455, 0.3572

Protanomaly

84.4309, 0.3418, 0.3574

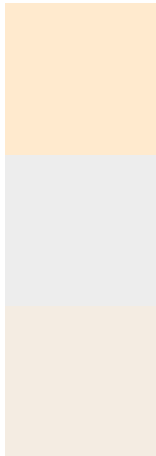
Deuteranomaly

84.4957, 0.3390, 0.3460

Tritanomaly

84.1250, 0.3299, 0.3300

Monochromacy



Original Color

84.5619, 0.3455, 0.3572

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.7150, 0.3244, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5619, 0.3455, 0.3572 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(255, 234, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 206)  
}
```

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(255, 234, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 206) }
```

Border

The CSS property to change the border of an element to Yxy 84.5619, 0.3455, 0.3572 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(255, 234, 206) }
```

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

```
.border{ border-color:rgb(255, 234, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5619, 0.3455, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 206) }
```

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

```
.background{ background-color: rgb(255,  
234, 206) }
```

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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