

Converting Colors

$Y_{xy}(86.2889, 0.3520, 0.3574)$

Have a look what the booklet for
Yxy(86.2889, 0.3520, 0.3574)
contains.

Yxy(84.5134, 0.3462, 0.3582)	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(84.5134, 0.3462, 0.3582)

Conversions

Conversions Part 1

Format	Color
Hex	FFEACD
RGB	255, 234, 205
RGB Percent	100%, 92%, 80%
CMY	0.0000, 0.0823, 0.1962
CMYK	0.00, 0.08, 0.20, 0.00
HSL	35°, 100%, 90%
HSV	35°, 20%, 100%
XYZ	81.6821, 84.5134, 69.7436
YIQ	236.9730, 21.8250, -4.5670

Conversions

Conversions Part 2

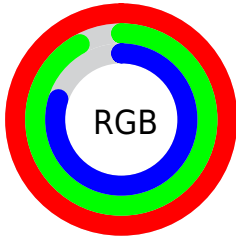
Format	Color
R _Y B	241, 255, 205
Decimal	16771789
CIE Lab	93.67, 2.64, 16.69
CIE LCh	94, 16.896, 81.002
Yxy	84.5134, 0.3462, 0.3582
Android (android.graphics.Color)	4294961869 (0xFFFFEACD)
YUV	236.9730, -15.7627, 15.8097
Hunter-Lab	91.9312, -2.2798, 19.3714

Details

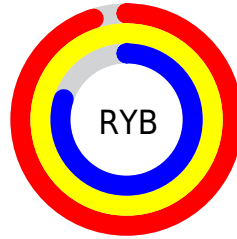
The Yxy color **84.5134, 0.3462, 0.3582** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.5668, 0.2813, 0.2980**, and the grayscale version is **84.7761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0809, 0.3536, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **77.4721, 0.3663, 0.3739**, and if you desaturate by 10%, it is **92.1264, 0.3282, 0.3430**.

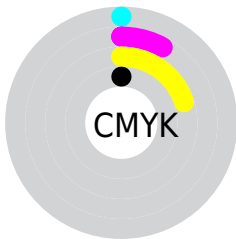
Distribution



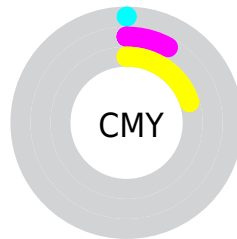
- Red (100%)
- Green (92%)
- Blue (80%)



- Red (95%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (8%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5134, 0.3462, 0.3582 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 84.5134, 0.3462, 0.3582 by changing the saturation by 10% instead.

 84.5134, 0.3462,
0.3582

 84.5134, 0.3462,
0.3582


510.0165, 0.3311,
0.3452

 63.4394, 0.3496,
0.3611


139.6931, 0.3410,
0.3538

 46.1968, 0.3537,
0.3646


174.5676, 0.3390,
0.3520

 32.4011, 0.3588,
0.3689


214.8111, 0.3372,
0.3505

 21.6681, 0.3653,
0.3744

260.8079, 0.3357,
0.3492

 13.6132, 0.3740,
0.3816

312.9425, 0.3343,
0.3480

 7.8521, 0.3860,
0.3915

371.5992, 0.3331,

 4.0005, 0.4036,

0.3469

0.4056

437.1624, 0.3321,
0.3460

■ 1.6738, 0.4397,
0.4351

■ 0.4066, 0.5259,
0.4741

■ 84.5134, 0.3462,
0.3582

■ 84.5134, 0.3462,
0.3582

■ 77.4721, 0.3663,
0.3739

■ 92.1264, 0.3282,
0.3430

■ 70.9818, 0.3882,
0.3894

100.0000, 0.3127,
0.3290

■ 65.0269, 0.4118,
0.4041

■ 59.5891, 0.4361,
0.4167

■ 54.6486, 0.4603,
0.4262

■ 50.1832, 0.4830,
0.4313

■ 46.1682, 0.5028,
0.4311

■ 42.5683, 0.5191,
0.4258

■ 42.4386, 0.5197,
0.4255

Harmonies

Analogous

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



84.5134, 0.3512, 0.3456



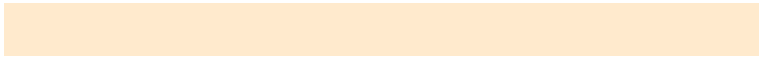
84.5134, 0.3462, 0.3582



84.5134, 0.3322, 0.3633

Triad

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



84.5134, 0.3462, 0.3582



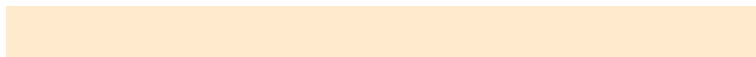
84.5134, 0.2810, 0.3273



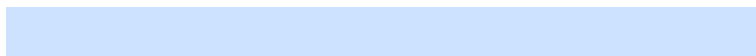
84.5134, 0.3113, 0.3017

Complementary

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



84.5134, 0.3462, 0.3582



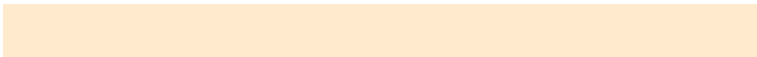
74.5668, 0.2813, 0.2980

Split Complementary

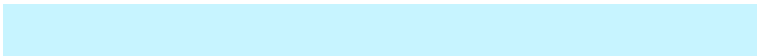
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5134, 0.2928, 0.2965



84.5134, 0.3462, 0.3582



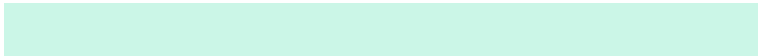
84.5134, 0.2757, 0.3106

Square

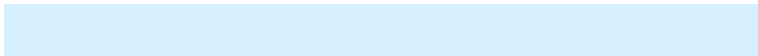
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5134, 0.3462, 0.3582



84.5134, 0.2945, 0.3452



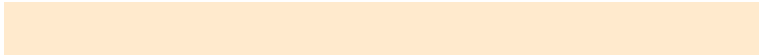
84.5134, 0.2800, 0.2996



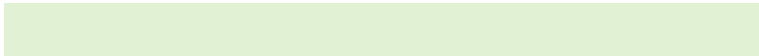
84.5134, 0.3307, 0.3135

Rectangle

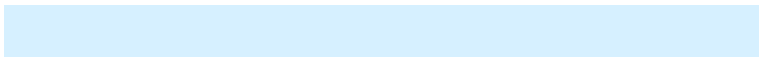
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5134, 0.3462, 0.3582



84.5134, 0.3198, 0.3612



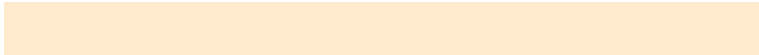
84.5134, 0.2800, 0.2996



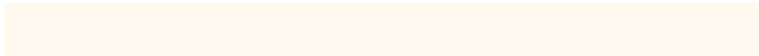
84.5134, 0.3048, 0.2991

Sweetspot

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



84.5149, 0.3462, 0.3582



95.0253, 0.3221, 0.3376



70.4338, 0.3353, 0.3072



20.2262, 0.3232, 0.3386



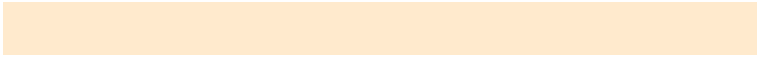
0.0000, 0.0000, 0.0000



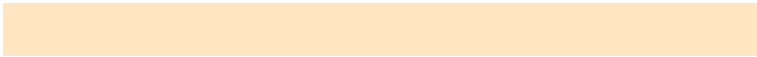
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5149, 0.3462, 0.3582



81.3614, 0.3547, 0.3650



96.5591, 0.3402, 0.3784



19.7385, 0.3280, 0.3428



22.4770, 0.5176, 0.4272



2.4047, 0.5033, 0.4386

Inverse Universe

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



74.5668, 0.2813, 0.2980



69.5772, 0.2739, 0.2901



64.3211, 0.2821, 0.2751



18.6303, 0.2979, 0.3148



9.5470, 0.1699, 0.1317



1.1398, 0.1761, 0.1538

Previews

White Background



This preview shows how the Yxy color 84.5134, 0.3462, 0.3582 looks on a white background.

Color Contrast Check

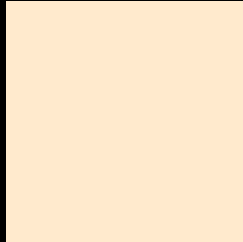
Large Text (above 18pt) WCAG AA × Fail

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 84.5134, 0.3462, 0.3582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

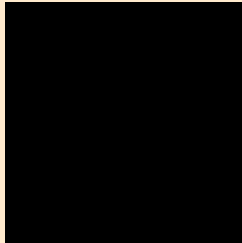
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5134, 0.3462, 0.3582

Background



This preview shows how black text looks on a background with the Yxy color 84.5134, 0.3462, 0.3582.

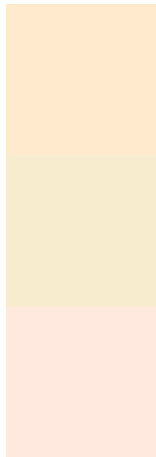


This preview shows how white text looks on a background with the Yxy color 84.5134, 0.3462, 0.3582.

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

84.5134, 0.3462, 0.3582

Protanopia

84.4036, 0.3402, 0.3596

Deuteranopia

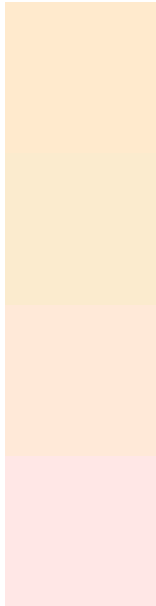
84.2472, 0.3351, 0.3390



Tritanopia

84.3853, 0.3209, 0.3153

Trichromacy



Original Color

84.5134, 0.3462, 0.3582

Protanomaly

84.3821, 0.3425, 0.3584

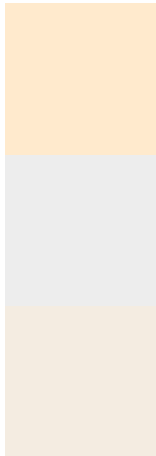
Deuteranomaly

84.4957, 0.3390, 0.3460

Tritanomaly

84.1250, 0.3299, 0.3300

Monochromacy



Original Color

84.5134, 0.3462, 0.3582

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6602, 0.3251, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5134, 0.3462, 0.3582 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 205) }
```

Border

The CSS property to change the border of an element to Yxy 84.5134, 0.3462, 0.3582 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, 205) }
```

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

```
.border{ border-color:rgb(255, 234, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5134, 0.3462, 0.3582 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, 205) }
```

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

```
.background{ background-color: rgb(255,  
234, 205) }
```

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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