

Converting Colors

$Y_{xy}(83.9445, 0.3512, 0.3653)$

Have a look what the booklet for
Yxy(83.9445, 0.3512, 0.3653)
contains.

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Color

Yxy(84.1829, 0.3509, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAC6
RGB	255, 234, 198
RGB Percent	100%, 92%, 78%
CMY	0.0000, 0.0824, 0.2236
CMYK	0.00, 0.08, 0.22, 0.00
HSL	38°, 100%, 89%
HSV	38°, 22%, 100%
XYZ	80.8644, 84.1829, 65.4013
YIQ	236.1750, 24.0720, -6.7440

Conversions

Conversions Part 2

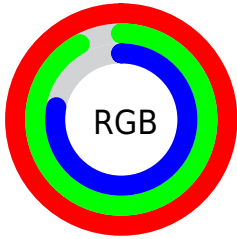
Format	Color
RYP	231, 255, 198
Decimal	16771782
CIELab	93.53, 1.67, 20.10
CIELCh	94, 20.166, 85.255
Yxy	84.1829, 0.3509, 0.3653
Android (android.graphics.Color)	4294961862 (0xFFFFEAC6)
YUV	236.1750, -18.8203, 16.5095
Hunter-Lab	91.7512, -3.2447, 21.9633

Details

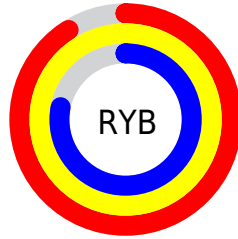
The Yxy color **84.1829, 0.3509, 0.3653** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.8798, 0.2765, 0.2898**, and the grayscale version is **84.1502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8602, 0.3597, 0.3728** is the 20% darker color. If you saturate the color by 10%, you get **77.8923, 0.3708, 0.3823**, and if you desaturate by 10%, it is **90.9482, 0.3327, 0.3486**.

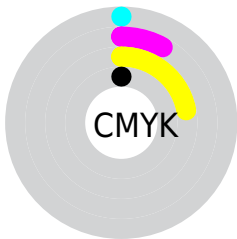
Distribution



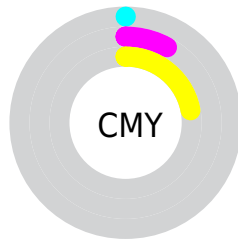
- Red (100%)
- Green (92%)
- Blue (78%)



- Red (91%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (8%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1829, 0.3509, 0.3653 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 84.1829, 0.3509, 0.3653 by changing the saturation by 10% instead.


 84.1829, 0.3509,
0.3653

 84.1829, 0.3509,
0.3653


508.9204, 0.3337,
0.3490

 63.1665, 0.3547,
0.3689


139.2310, 0.3450,
0.3598

 45.9759, 0.3594,
0.3732


174.0314, 0.3427,
0.3576

 32.2268, 0.3651,
0.3786


214.1953, 0.3407,
0.3557

 21.5348, 0.3725,
0.3855

260.1071, 0.3390,
0.3540

 13.5155, 0.3822,
0.3944

312.1511, 0.3374,
0.3526

 7.7844, 0.3955,
0.4065

370.7117, 0.3360,

 3.9573, 0.4146,

0.3513

0.4237

436.1733, 0.3348,
0.3501

1.6497, 0.4650,
0.4705

0.3908, 0.5133,
0.4867

84.1829, 0.3509,
0.3653

84.1829, 0.3509,
0.3653

77.8923, 0.3708,
0.3823

90.9482, 0.3327,
0.3486

72.0726, 0.3921,
0.3988

98.2123, 0.3163,
0.3326

66.7052, 0.4144,
0.4142

100.0000, 0.3127,
0.3290

61.7736, 0.4369,
0.4272

■ 57.2598, 0.4585,
0.4366

■ 53.1437, 0.4780,
0.4414

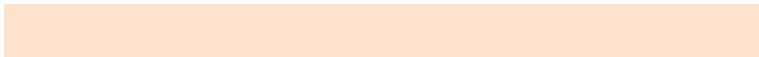
■ 49.4018, 0.4944,
0.4408

■ 46.7709, 0.5049,
0.4373

Harmonies

Analogous

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



84.1829, 0.3587, 0.3511



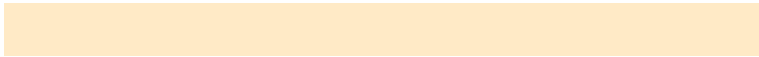
84.1829, 0.3509, 0.3653



84.1829, 0.3328, 0.3701

Triad

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



84.1829, 0.3509, 0.3653



84.1829, 0.2734, 0.3237



84.1829, 0.3143, 0.2981

Complementary

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



84.1829, 0.3509, 0.3653



69.8798, 0.2765, 0.2898

Split Complementary

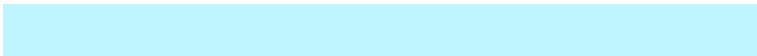
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1829, 0.2918, 0.2908



84.1829, 0.3509, 0.3653



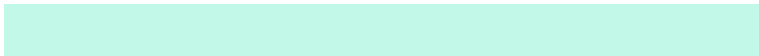
84.1829, 0.2688, 0.3045

Square

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



84.1829, 0.3509, 0.3653



84.1829, 0.2882, 0.3455



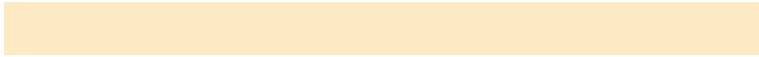
84.1829, 0.2754, 0.2928



84.1829, 0.3371, 0.3130

Rectangle

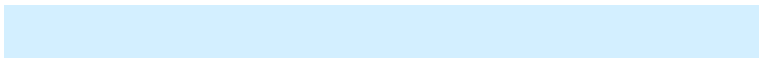
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1829, 0.3509, 0.3653



84.1829, 0.3177, 0.3666



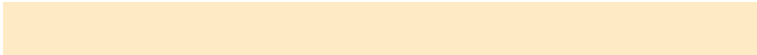
84.1829, 0.2754, 0.2928



84.1829, 0.3064, 0.2947

Sweetspot

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



84.1794, 0.3509, 0.3653



94.7792, 0.3237, 0.3400



66.7990, 0.3414, 0.3068



20.1928, 0.3247, 0.3409



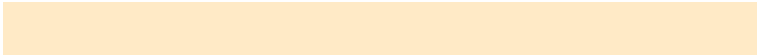
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

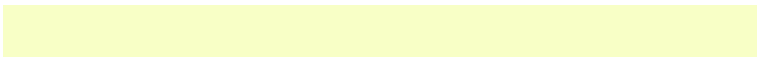
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1794, 0.3509, 0.3653



81.2030, 0.3599, 0.3732



95.6165, 0.3421, 0.3859



19.8997, 0.3278, 0.3440



24.7339, 0.5031, 0.4387



2.6171, 0.4910, 0.4484

Inverse Universe

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



69.8798, 0.2765, 0.2898



64.5221, 0.2684, 0.2804



60.5275, 0.2792, 0.2669



18.4736, 0.2979, 0.3136



8.2100, 0.1658, 0.1168



0.9996, 0.1720, 0.1393

Previews

White Background



This preview shows how the Yxy color 84.1829, 0.3509, 0.3653 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 84.1829, 0.3509, 0.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

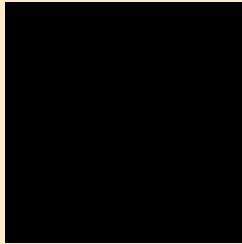
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.1829, 0.3509, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 84.1829, 0.3509, 0.3653.

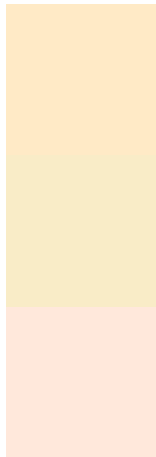


This preview shows how white text looks on a background with the Yxy color 84.1829, 0.3509, 0.3653.

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

84.1829, 0.3509, 0.3653

Protanopia

84.2542, 0.3455, 0.3667

Deuteranopia

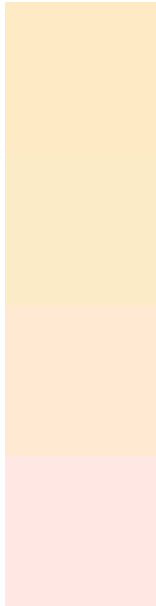
84.0877, 0.3371, 0.3420



Tritanopia

84.3247, 0.3215, 0.3163

Trichromacy



Original Color

84.1829, 0.3509, 0.3653

Protanomaly

84.0494, 0.3471, 0.3656

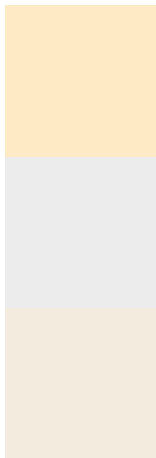
Deuteranomaly

84.2410, 0.3423, 0.3511

Tritanomaly

83.9579, 0.3319, 0.3330

Monochromacy



Original Color

84.1829, 0.3509, 0.3653

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7453, 0.3264, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1829, 0.3509, 0.3653 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 198) }
```

Border

The CSS property to change the border of an element to Yxy 84.1829, 0.3509, 0.3653 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, 198) }
```

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

```
.border{ border-color:rgb(255, 234, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1829, 0.3509, 0.3653 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, 198) }
```

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

```
.background{ background-color: rgb(255,  
234, 198) }
```

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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