

Converting Colors

$Y_{xy}(100.0000, 0.3829, 0.3462)$

Have a look what the booklet for
Yxy(100.0000, 0.3829, 0.3462)
contains.

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Color

Yxy(86.2088, 0.3385, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	FFECD8
RGB	255, 236, 216
RGB Percent	100%, 93%, 85%
CMY	0.0002, 0.0744, 0.1530
CMYK	0.00, 0.07, 0.15, 0.00
HSL	31°, 100%, 92%
HSV	31°, 15%, 100%
XYZ	83.6151, 86.2088, 77.1927
YIQ	239.4010, 17.7440, -2.1920

Conversions

Conversions Part 2

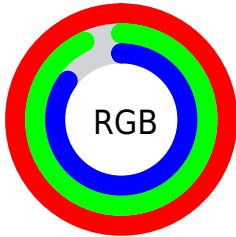
Format	Color
R _Y B	253, 255, 216
Decimal	16772312
CIE Lab	94.40, 3.22, 12.01
CIE LCh	94, 12.438, 74.981
Yxy	86.2088, 0.3385, 0.3490
Android (android.graphics.Color)	4294962392 (0xFFFFECD8)
YUV	239.4010, -11.5367, 13.6803
Hunter-Lab	92.8487, -1.7366, 15.7015

Details

The Yxy color **86.2088, 0.3385, 0.3490** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.1844, 0.2886, 0.3082**, and the grayscale version is **86.7242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2215, 0.3445, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **78.1071, 0.3583, 0.3629**, and if you desaturate by 10%, it is **95.0174, 0.3210, 0.3357**.

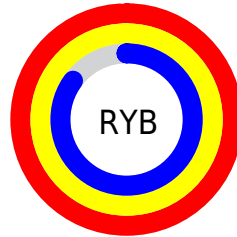
Distribution



Red (100%)

Green (93%)

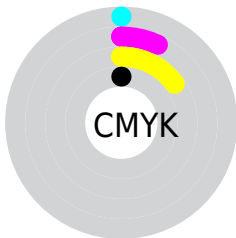
Blue (85%)



Red (99%)

Yellow (100%)

Blue (85%)

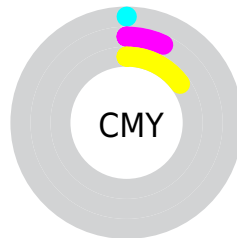


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2088, 0.3385, 0.3490 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 86.2088, 0.3385, 0.3490 by changing the saturation by 10% instead.


 86.2088, 0.3385,
0.3490

 86.2088, 0.3385,
0.3490


515.6195, 0.3269,
0.3401

 64.8406, 0.3411,
0.3510


142.0608, 0.3345,
0.3460

 47.3319, 0.3442,
0.3533


177.3135, 0.3330,
0.3448

 33.2981, 0.3482,
0.3563


217.9631, 0.3316,
0.3437

 22.3549, 0.3532,
0.3600

264.3941, 0.3304,
0.3428

 14.1179, 0.3599,
0.3650

316.9908, 0.3294,
0.3420

 8.2027, 0.3693,
0.3717

376.1377, 0.3285,

 4.2249, 0.3831,

0.3413

0.3815

442.2191, 0.3276,
0.3407

■ 1.8002, 0.4057,
0.3968

■ 0.4873, 0.5265,
0.4735

■ 86.2088, 0.3385,
0.3490

■ 86.2088, 0.3385,
0.3490

■ 78.1071, 0.3583,
0.3629

■ 95.0174, 0.3210,
0.3357

■ 70.6814, 0.3806,
0.3769

99.9904, 0.3127,
0.3290

■ 63.9152, 0.4051,
0.3905

■ 57.7867, 0.4314,
0.4026

■ 52.2729, 0.4587,
0.4122

■ 47.3484, 0.4854,
0.4180

■ 42.9852, 0.5100,
0.4186

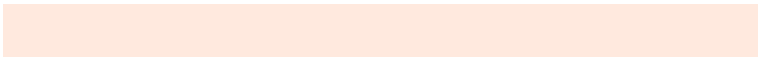
■ 39.1511, 0.5307,
0.4137

■ 37.5081, 0.5394,
0.4099

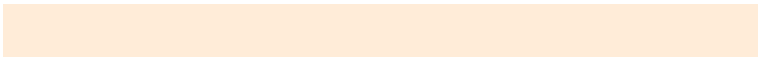
Harmonies

Analogous

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



86.2088, 0.3405, 0.3391



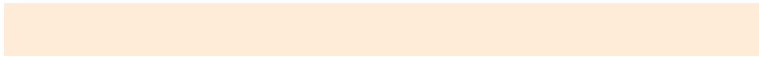
86.2088, 0.3385, 0.3490



86.2088, 0.3295, 0.3538

Triad

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



86.2088, 0.3385, 0.3490



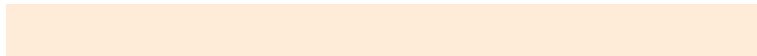
86.2088, 0.2910, 0.3306



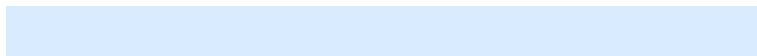
86.2088, 0.3089, 0.3076

Complementary

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



86.2088, 0.3385, 0.3490



81.1844, 0.2886, 0.3082

Split Complementary

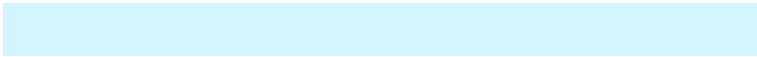
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2088, 0.2959, 0.3050



86.2088, 0.3385, 0.3490



86.2088, 0.2857, 0.3179

Square

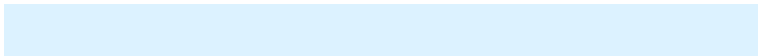
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2088, 0.3385, 0.3490



86.2088, 0.3020, 0.3431



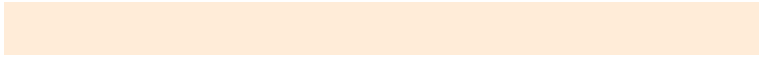
86.2088, 0.2875, 0.3087



86.2088, 0.3232, 0.3155

Rectangle

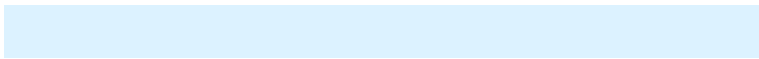
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2088, 0.3385, 0.3490



86.2088, 0.3208, 0.3532



86.2088, 0.2875, 0.3087



86.2088, 0.3042, 0.3061

Sweetspot

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



86.2126, 0.3385, 0.3490



95.3173, 0.3206, 0.3353



76.3839, 0.3277, 0.3097



20.2641, 0.3217, 0.3363



0.0000, 0.0000, 0.0000



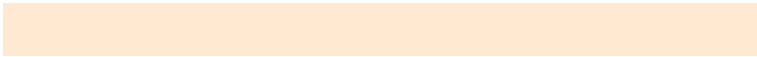
21.4041, 0.3127, 0.3290

Same Dimension

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



86.2126, 0.3385, 0.3490



83.9774, 0.3437, 0.3527



97.6955, 0.3357, 0.3671



19.5318, 0.3281, 0.3412



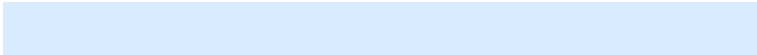
19.9079, 0.5369, 0.4119



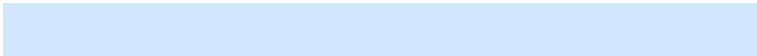
2.1572, 0.5198, 0.4254

Inverse Universe

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



81.1844, 0.2886, 0.3082



78.1650, 0.2842, 0.3041



70.9227, 0.2879, 0.2879



18.8344, 0.2979, 0.3165



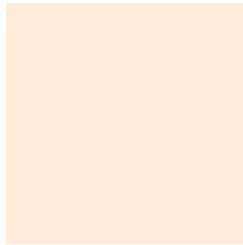
11.5856, 0.1758, 0.1527



1.3457, 0.1816, 0.1736

Previews

White Background



This preview shows how the Yxy color 86.2088, 0.3385, 0.3490 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 86.2088, 0.3385, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

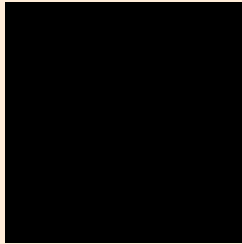
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

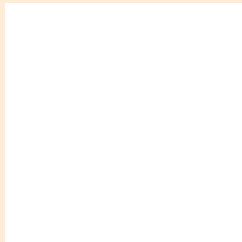
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2088, 0.3385, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 86.2088, 0.3385, 0.3490.

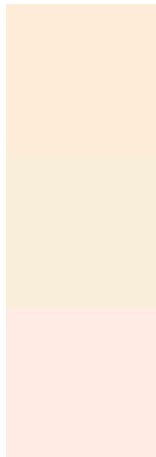


This preview shows how white text looks on a background with the Yxy color 86.2088, 0.3385, 0.3490.

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

86.2088, 0.3385, 0.3490

Protanopia

86.1153, 0.3327, 0.3502

Deuteranopia

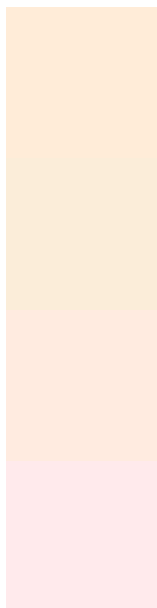
86.2781, 0.3308, 0.3360



Tritanopia

86.2532, 0.3187, 0.3154

Trichromacy



Original Color

86.2088, 0.3385, 0.3490

Protanomaly

86.0874, 0.3349, 0.3491

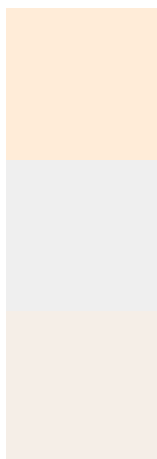
Deuteranomaly

86.0585, 0.3334, 0.3400

Tritanomaly

86.1618, 0.3257, 0.3271

Monochromacy



Original Color

86.2088, 0.3385, 0.3490

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.3311, 0.3217, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2088, 0.3385, 0.3490 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, 236, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 216)  
}
```

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, 236, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 216) }
```

Border

The CSS property to change the border of an element to Yxy 86.2088, 0.3385, 0.3490 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, 236, 216) }
```

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

```
.border{ border-color:rgb(255, 236, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2088, 0.3385, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 216) }
```

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

```
.background{ background-color: rgb(255,  
236, 216) }
```

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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