

Converting Colors

$Y_{xy}(102.7612, 0.3844, 0.3445)$

Have a look what the booklet for
Yxy(102.7612, 0.3844, 0.3445)
contains.

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Color

Yxy(86.9428, 0.3364, 0.3469)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDDB
RGB	255, 237, 219
RGB Percent	100%, 93%, 86%
CMY	0.0000, 0.0706, 0.1411
CMYK	0.00, 0.07, 0.14, 0.00
HSL	30°, 100%, 93%
HSV	30°, 14%, 100%
XYZ	84.3112, 86.9428, 79.3738
YIQ	240.3300, 16.5060, -1.7820

Conversions

Conversions Part 2

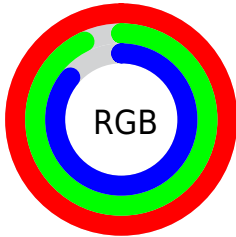
Format	Color
RYP	255, 255, 219
Decimal	16772571
CIELab	94.71, 3.20, 10.89
CIElCh	95, 11.349, 73.611
Yxy	86.9428, 0.3364, 0.3469
Android (android.graphics.Color)	4294962651 (0xFFFFEDDB)
YUV	240.3300, -10.5157, 12.8656
Hunter-Lab	93.2431, -1.7743, 14.7992

Details

The Yxy color **86.9428, 0.3364, 0.3469** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.8616, 0.2906, 0.3104**, and the grayscale version is **87.4869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7338, 0.3417, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **78.5801, 0.3561, 0.3604**, and if you desaturate by 10%, it is **96.0443, 0.3191, 0.3341**.

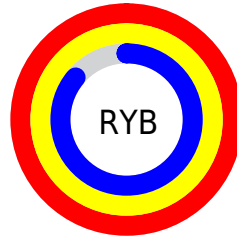
Distribution



Red (100%)

Green (93%)

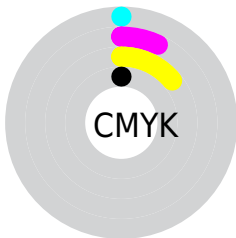
Blue (86%)



Red (100%)

Yellow (100%)

Blue (86%)

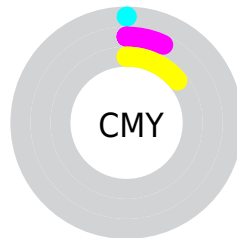


Cyan (0%)

Magenta (7%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9428, 0.3364, 0.3469 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 86.9428, 0.3364, 0.3469 by changing the saturation by 10% instead.


 86.9428, 0.3364,
0.3469

 86.9428, 0.3364,
0.3469


518.0349, 0.3257,
0.3389

 65.4479, 0.3388,
0.3486


143.0844, 0.3328,
0.3442

 47.8243, 0.3416,
0.3508


178.4999, 0.3313,
0.3431

 33.6878, 0.3453,
0.3534


219.3243, 0.3301,
0.3422

 22.6539, 0.3499,
0.3567

265.9421, 0.3290,
0.3414

 14.3381, 0.3560,
0.3611

318.7377, 0.3280,
0.3407

 8.3562, 0.3646,
0.3672

378.0954, 0.3272,

 4.3237, 0.3772,

0.3400

0.3759

444.3997, 0.3264,
0.3395

■ 1.8562, 0.3978,
0.3896

■ 0.5219, 0.5239,
0.4761

■ 86.9428, 0.3364,
0.3469

■ 86.9428, 0.3364,
0.3469

■ 78.5801, 0.3561,
0.3604

■ 96.0443, 0.3191,
0.3341

■ 70.9243, 0.3783,
0.3740

99.9989, 0.3127,
0.3290

■ 63.9580, 0.4029,
0.3873

■ 57.6589, 0.4295,
0.3994

■ 52.0027, 0.4573,
0.4090

■ 46.9633, 0.4849,
0.4150

■ 42.5120, 0.5105,
0.4160

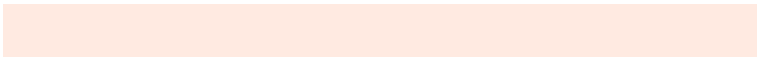
■ 38.6159, 0.5325,
0.4114

■ 36.5572, 0.5436,
0.4065

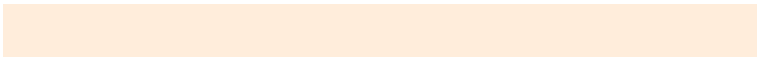
Harmonies

Analogous

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



86.9428, 0.3379, 0.3378



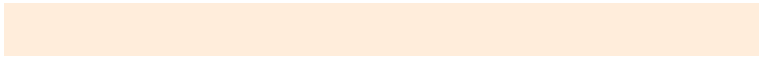
86.9428, 0.3364, 0.3469



86.9428, 0.3285, 0.3514

Triad

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



86.9428, 0.3364, 0.3469



86.9428, 0.2933, 0.3310



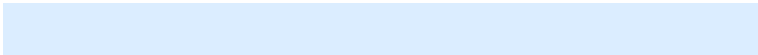
86.9428, 0.3086, 0.3093

Complementary

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



86.9428, 0.3364, 0.3469



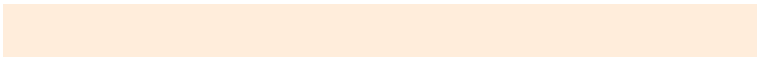
82.8616, 0.2906, 0.3104

Split Complementary

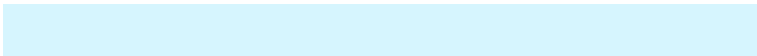
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9428, 0.2969, 0.3072



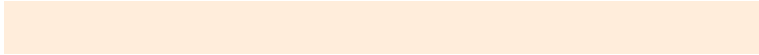
86.9428, 0.3364, 0.3469



86.9428, 0.2882, 0.3194

Square

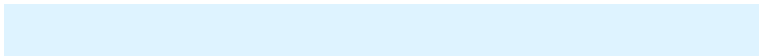
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9428, 0.3364, 0.3469



86.9428, 0.3035, 0.3423



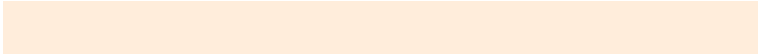
86.9428, 0.2895, 0.3108



86.9428, 0.3217, 0.3163

Rectangle

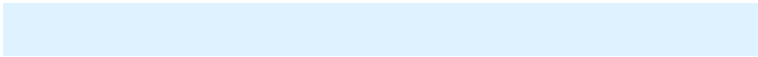
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9428, 0.3364, 0.3469



86.9428, 0.3207, 0.3511



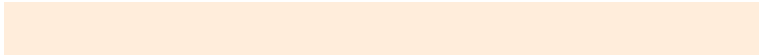
86.9428, 0.2895, 0.3108



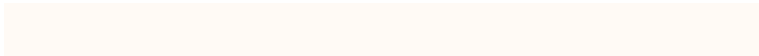
86.9428, 0.3044, 0.3080

Sweetspot

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



86.9467, 0.3364, 0.3469



96.1486, 0.3190, 0.3339



78.0866, 0.3260, 0.3106



20.4276, 0.3202, 0.3349



0.0000, 0.0000, 0.0000



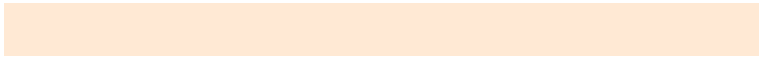
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9467, 0.3364, 0.3469



84.4545, 0.3418, 0.3507



97.5091, 0.3340, 0.3635



19.4873, 0.3282, 0.3409



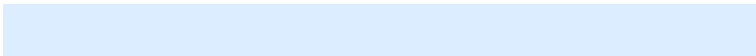
19.4015, 0.5411, 0.4086



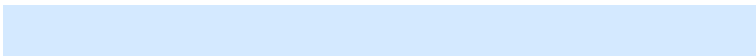
2.1075, 0.5235, 0.4225

Inverse Universe

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



82.8616, 0.2906, 0.3104



79.6305, 0.2859, 0.3062



73.2750, 0.2900, 0.2920



18.8789, 0.2979, 0.3168



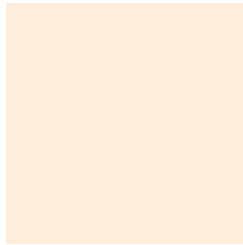
12.0749, 0.1771, 0.1574



1.3941, 0.1828, 0.1780

Previews

White Background



This preview shows how the Yxy color 86.9428, 0.3364, 0.3469 looks on a white background.

Color Contrast Check

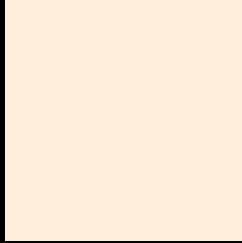
Large Text (above 18pt) WCAG AA × Fail

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 86.9428, 0.3364, 0.3469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

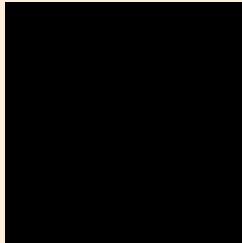
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

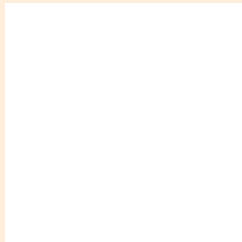
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9428, 0.3364, 0.3469

Background



This preview shows how black text looks on a background with the Yxy color 86.9428, 0.3364, 0.3469.

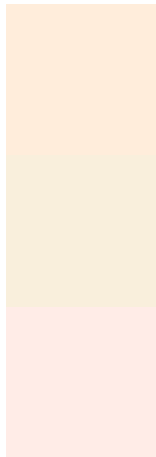


This preview shows how white text looks on a background with the Yxy color 86.9428, 0.3364, 0.3469.

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

86.9428, 0.3364, 0.3469

Protanopia

87.0400, 0.3314, 0.3481

Deuteranopia

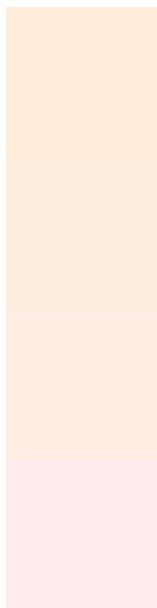
87.0204, 0.3287, 0.3340



Tritanopia

86.8829, 0.3180, 0.3154

Trichromacy



Original Color

86.9428, 0.3364, 0.3469

Protanomaly

86.8256, 0.3329, 0.3470

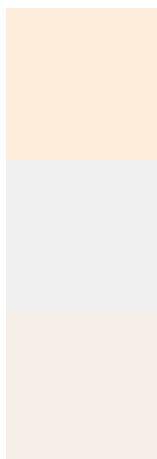
Deuteranomaly

86.7970, 0.3313, 0.3379

Tritanomaly

86.7911, 0.3250, 0.3271

Monochromacy



Original Color

86.9428, 0.3364, 0.3469

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.9717, 0.3210, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9428, 0.3364, 0.3469 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, 237, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 219)  
}
```

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, 237, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 219) }
```

Border

The CSS property to change the border of an element to Yxy 86.9428, 0.3364, 0.3469 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, 237, 219) }
```

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

```
.border{ border-color:rgb(255, 237, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9428, 0.3364, 0.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 219) }
```

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

```
.background{ background-color: rgb(255,  
237, 219) }
```

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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