

Converting Colors

Yxy(84.6636, 0.3289, 0.3569)

Have a look what the booklet for
Yxy(84.6636, 0.3289, 0.3569)
contains.

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Color

Yxy(84.6636, 0.3289, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEFD4
RGB	238, 239, 212
RGB Percent	93%, 94%, 83%
CMY	0.0665, 0.0628, 0.1685
CMYK	0.00, 0.00, 0.11, 0.06
HSL	62°, 46%, 88%
HSV	62°, 11%, 94%
XYZ	78.0215, 84.6636, 74.5343
YIQ	235.6230, 8.0710, -8.6090

Conversions

Conversions Part 2

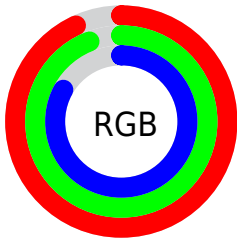
Format	Color
RYB	212, 239, 213
Decimal	15658964
CIELab	93.74, -4.85, 12.94
CIELCh	94, 13.818, 110.537
Yxy	84.6636, 0.3289, 0.3569
Android (android.graphics.Color)	4293849044 (0xFFEEFFD4)
YUV	235.6230, -11.6461, 2.0846
Hunter-Lab	92.0128, -9.6650, 16.3815

Details

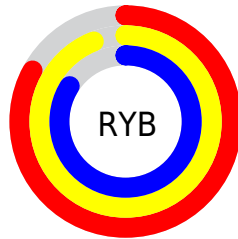
The Yxy color $84.6636, 0.3289, 0.3569$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $67.4766, 0.2956, 0.2996$, and the grayscale version is $83.6706, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.2464, 0.3328, 0.3637$ is the 20% darker color. If you saturate the color by 10%, you get $83.4023, 0.3436, 0.3823$, and if you desaturate by 10%, it is $86.1116, 0.3145, 0.3321$.

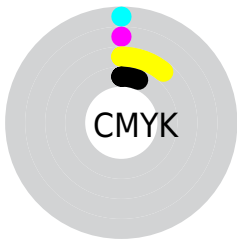
Distribution



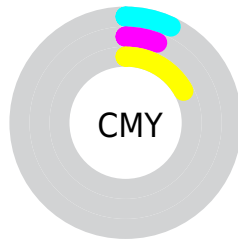
- Red (93%)
- Green (94%)
- Blue (83%)



- Red (83%)
- Yellow (94%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6636, 0.3289, 0.3569 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 84.6636, 0.3289, 0.3569 by changing the saturation by 10% instead.

84.6636, 0.3289,
0.3569

84.6636, 0.3289,
0.3569

510.5143, 0.3217,
0.3442

63.5635, 0.3305,
0.3597

139.9031, 0.3264,
0.3525

46.2972, 0.3324,
0.3632

174.8112, 0.3255,
0.3508

32.4804, 0.3348,
0.3676

215.0908, 0.3246,
0.3494

21.7287, 0.3379,
0.3733

261.1262, 0.3239,
0.3481

13.6577, 0.3419,
0.3809

313.3019, 0.3232,
0.3469

7.8830, 0.3475,
0.3915

372.0022, 0.3227,

4.0202, 0.3555,

0.3459

0.4076

437.6115, 0.3221,
0.3450

■ 1.6848, 0.3693,
0.4362

■ 0.4138, 0.3992,
0.6008

■ 84.6636, 0.3289,
0.3569

■ 84.6636, 0.3289,
0.3569

■ 83.4023, 0.3436,
0.3823

■ 86.1116, 0.3145,
0.3321

■ 82.3087, 0.3580,
0.4077

■ 87.4276, 0.3036,
0.3131

■ 81.3781, 0.3718,
0.4320


■ 87.5762, 0.3041,
0.3132

■ 80.6015, 0.3843,
0.4543


■ 87.7255, 0.3047,
0.3132

 79.9687, 0.3950,
0.4737


 87.8755, 0.3052,
0.3132

 79.4687, 0.4033,
0.4892

 88.0261, 0.3057,
0.3132

 79.0886, 0.4090,
0.5004

 88.1775, 0.3063,
0.3133

 78.8130, 0.4121,
0.5072

 88.3296, 0.3068,
0.3133

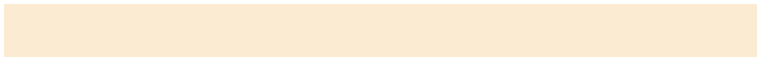
 78.6365, 0.4131,
0.5102

 88.4824, 0.3074,
0.3133

Harmonies

Analogous

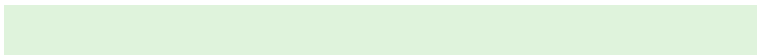
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6636, 0.3402, 0.3528



84.6636, 0.3289, 0.3569



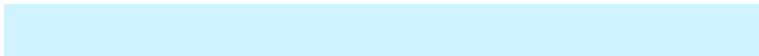
84.6636, 0.3134, 0.3531

Triad

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



84.6636, 0.3289, 0.3569



84.6636, 0.2824, 0.3143



84.6636, 0.3272, 0.3161

Complementary

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



84.6636, 0.3289, 0.3569



67.4766, 0.2956, 0.2996

Split Complementary

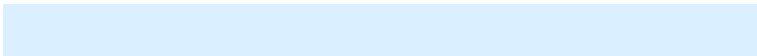
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6636, 0.3114, 0.3064



84.6636, 0.3289, 0.3569



84.6636, 0.2858, 0.3050

Square

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



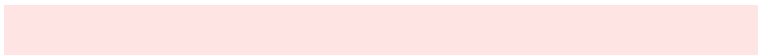
84.6636, 0.3289, 0.3569



84.6636, 0.2868, 0.3279



84.6636, 0.2963, 0.3023



84.6636, 0.3393, 0.3292

Rectangle

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



84.6636, 0.3289, 0.3569



84.6636, 0.3029, 0.3466



84.6636, 0.2963, 0.3023



84.6636, 0.3221, 0.3124

Sweetspot

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



84.6673, 0.3289, 0.3569



99.4656, 0.3170, 0.3363



70.6562, 0.3328, 0.3300



21.2599, 0.3181, 0.3383



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.



84.6673, 0.3289, 0.3569



97.6707, 0.3329, 0.3639



82.4292, 0.3197, 0.3577



18.4288, 0.3263, 0.3524



43.4719, 0.4132, 0.5101



3.6253, 0.4140, 0.5095

Inverse Universe

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



67.4766, 0.2956, 0.2996



73.3440, 0.2910, 0.2917



69.5677, 0.3050, 0.3004



15.2555, 0.2985, 0.3046



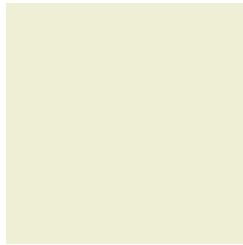
3.4860, 0.1511, 0.0606



0.2994, 0.1540, 0.0622

Previews

White Background



This preview shows how the Yxy color 84.6636, 0.3289, 0.3569 looks on a white background.

Color Contrast Check

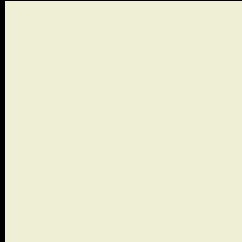
Large Text (above 18pt) WCAG AA × Fail

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 84.6636, 0.3289, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

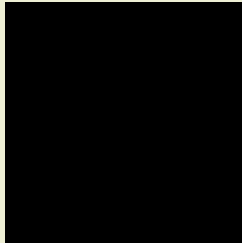
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

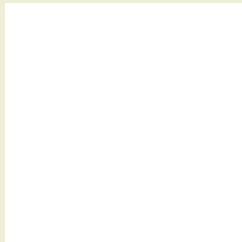
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6636, 0.3289, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 84.6636, 0.3289, 0.3569.

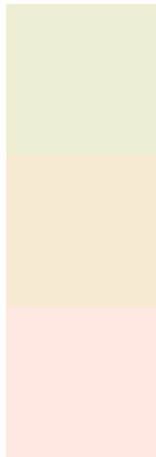


This preview shows how white text looks on a background with the Yxy color 84.6636, 0.3289, 0.3569.

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

84.6636, 0.3289, 0.3569

Protanopia

84.4682, 0.3362, 0.3545

Deuteranopia

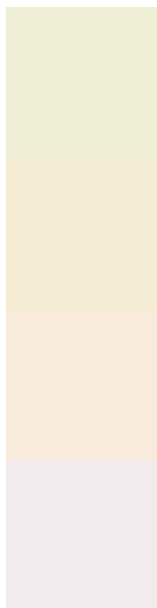
84.4095, 0.3331, 0.3360



Tritanopia

84.5392, 0.3083, 0.3102

Trichromacy



Original Color

84.6636, 0.3289, 0.3569

Protanomaly

84.5046, 0.3339, 0.3556

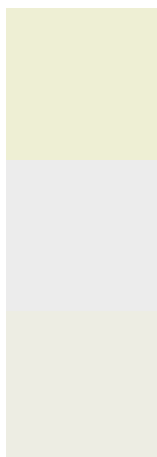
Deuteranomaly

84.7237, 0.3319, 0.3442

Tritanomaly

84.4083, 0.3162, 0.3270

Monochromacy



Original Color

84.6636, 0.3289, 0.3569

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.1189, 0.3189, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6636, 0.3289, 0.3569 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(238, 239, 212)` looks like.

```
.text, #text, p{  
    color:rgb(238, 239, 212)  
}
```

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(238, 239, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 239, 212) }
```

Border

The CSS property to change the border of an element to Yxy 84.6636, 0.3289, 0.3569 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(238, 239, 212) }
```

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

```
.border{ border-color:rgb(238, 239, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 239, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 239, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 239, 212);  
box-shadow:4px 4px 4px 4px rgb(238, 239,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6636, 0.3289, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 239, 212) }
```

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

```
.background{ background-color: rgb(238,  
239, 212) }
```

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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