

Converting Colors

$Yxy(89.6257, 0.3286, 0.3648)$

Have a look what the booklet for
Yxy(89.6257, 0.3286, 0.3648)
contains.

Yxy(89.6257, 0.3286, 0.3648)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.6257, 0.3286, 0.3648)

Conversions

Conversions Part 1

Format	Color
Hex	EFF7D4
RGB	239, 247, 212
RGB Percent	94%, 97%, 83%
CMY	0.0629, 0.0313, 0.1686
CMYK	0.03, 0.00, 0.14, 0.03
HSL	74°, 69%, 90%
HSV	74°, 14%, 97%
XYZ	80.7319, 89.6257, 75.3269
YIQ	240.6180, 6.4670, -12.5810

Conversions

Conversions Part 2

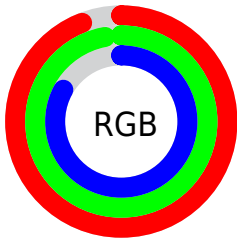
Format	Color
R _Y B	212, 247, 220
Decimal	15726548
CIE Lab	95.84, -8.55, 15.94
CIE LCh	96, 18.094, 118.213
Yxy	89.6257, 0.3286, 0.3648
Android (android.graphics.Color)	4293916628 (0xFFEFF7D4)
YUV	240.6180, -14.1087, -1.4190
Hunter-Lab	94.6709, -13.4556, 19.0943

Details

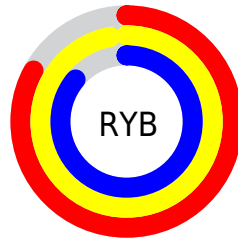
The Yxy color $89.6257, 0.3286, 0.3648$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $69.0229, 0.2954, 0.2918$, and the grayscale version is $87.7547, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $49.7632, 0.3322, 0.3737$ is the 20% darker color. If you saturate the color by 10%, you get $87.5044, 0.3398, 0.3915$, and if you desaturate by 10%, it is $91.9766, 0.3173, 0.3392$.

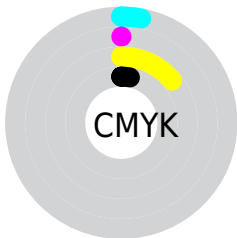
Distribution



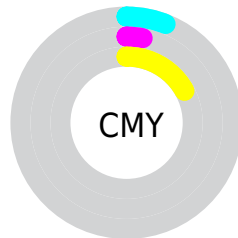
- Red (94%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (86%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)





- Cyan (6%)
- Magenta (3%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6257, 0.3286, 0.3648 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 89.6257, 0.3286, 0.3648 by changing the saturation by 10% instead.


 89.6257, 0.3286,
0.3648

 89.6257, 0.3286,
0.3648


526.8125, 0.3217,
0.3486

 67.6702, 0.3301,
0.3684

146.8184, 0.3263,
0.3592

 49.6295, 0.3319,
0.3728


182.8244, 0.3253,
0.3571

 35.1191, 0.3341,
0.3784


224.2827, 0.3245,
0.3552

 23.7546, 0.3369,
0.3855

271.5777, 0.3238,
0.3535

 15.1517, 0.3404,
0.3950

325.0938, 0.3232,
0.3521

 8.9259, 0.3452,
0.4083

385.2153, 0.3226,

 4.6929, 0.3517,

0.3508

0.4280

452.3268, 0.3221,
0.3496

■ 2.0682, 0.3615,
0.4613

■ 0.6467, 0.3856,
0.6144

■ 89.6257, 0.3286,
0.3648

■ 89.6257, 0.3286,
0.3648

■ 87.5044, 0.3398,
0.3915

■ 91.9766, 0.3173,
0.3392

■ 85.5920, 0.3507,
0.4185

■ 94.1347, 0.3101,
0.3213

■ 83.8829, 0.3606,
0.4451

■ 95.0113, 0.3131,
0.3214

■ 82.3665, 0.3690,
0.4702

■ 81.0315, 0.3755,
0.4925

■ 79.8650, 0.3796,
0.5109

■ 78.8521, 0.3811,
0.5249

■ 77.9745, 0.3800,
0.5340

■ 77.5106, 0.3785,
0.5377

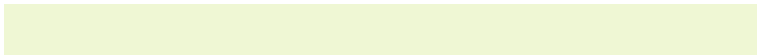
Harmonies

Analogous

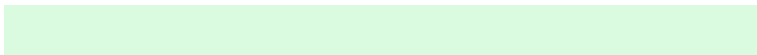
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6257, 0.3451, 0.3618



89.6257, 0.3286, 0.3648



89.6257, 0.3083, 0.3574

Triad

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



89.6257, 0.3286, 0.3648



89.6257, 0.2741, 0.3062



89.6257, 0.3359, 0.3165

Complementary

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



89.6257, 0.3286, 0.3648



69.0229, 0.2954, 0.2918

Split Complementary

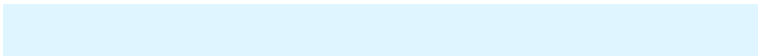
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6257, 0.3162, 0.3028



89.6257, 0.3286, 0.3648



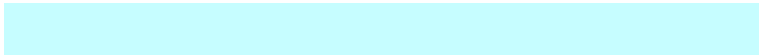
89.6257, 0.2809, 0.2966

Square

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



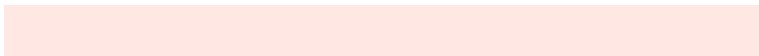
89.6257, 0.3286, 0.3648



89.6257, 0.2772, 0.3226



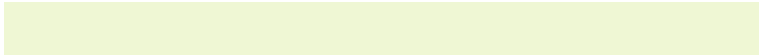
89.6257, 0.2961, 0.2955



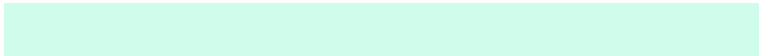
89.6257, 0.3495, 0.3335

Rectangle

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



89.6257, 0.3286, 0.3648



89.6257, 0.2953, 0.3476



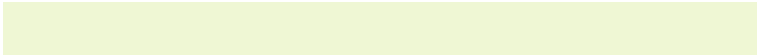
89.6257, 0.2961, 0.2955



89.6257, 0.3298, 0.3114

Sweetspot

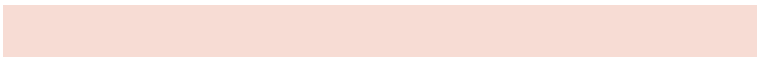
The Sweet Spot groups the original color and five complimentary colors.



89.6296, 0.3286, 0.3648



98.9185, 0.3172, 0.3388



75.4978, 0.3379, 0.3369



21.1300, 0.3180, 0.3407



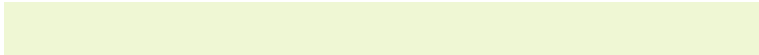
0.0000, 0.0000, 0.0000



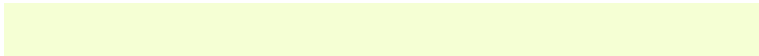
21.4041, 0.3127, 0.3290

Same Dimension

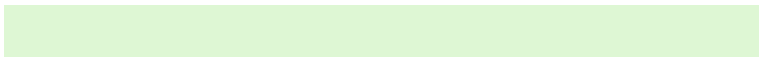
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6296, 0.3286, 0.3648



95.6751, 0.3318, 0.3723



86.8011, 0.3173, 0.3661



19.1104, 0.3233, 0.3526



41.0538, 0.3792, 0.5371



3.6539, 0.3845, 0.5329

Inverse Universe

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



69.0229, 0.2954, 0.2918



69.6006, 0.2914, 0.2836



71.8212, 0.3073, 0.2931



16.1104, 0.3015, 0.3048



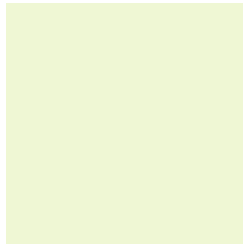
4.0604, 0.1625, 0.0669



0.4014, 0.1742, 0.0733

Previews

White Background



This preview shows how the Yxy color 89.6257, 0.3286, 0.3648 looks on a white background.

Color Contrast Check

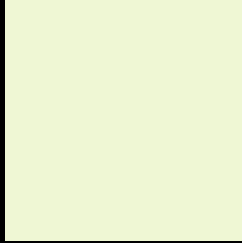
Large Text (above 18pt) WCAG AA × Fail

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 89.6257, 0.3286, 0.3648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

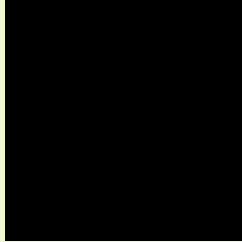
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

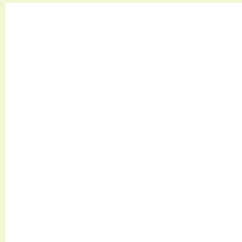
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6257, 0.3286, 0.3648

Background



This preview shows how black text looks on a background with the Yxy color 89.6257, 0.3286, 0.3648.

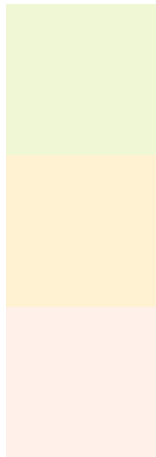


This preview shows how white text looks on a background with the Yxy color 89.6257, 0.3286, 0.3648.

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

89.6257, 0.3286, 0.3648

Protanopia

89.4174, 0.3415, 0.3608

Deuteranopia

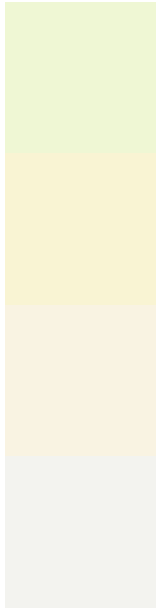
89.5207, 0.3264, 0.3349



Tritanopia

89.5431, 0.3069, 0.3153

Trichromacy



Original Color

89.6257, 0.3286, 0.3648

Protanomaly

89.5443, 0.3364, 0.3622

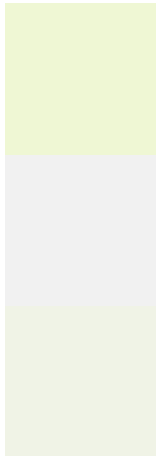
Deuteranomaly

89.7319, 0.3271, 0.3460

Tritanomaly

89.3879, 0.3151, 0.3330

Monochromacy



Original Color

89.6257, 0.3286, 0.3648

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.3396, 0.3186, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6257, 0.3286, 0.3648 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(239, 247, 212)` looks like.

```
.text, #text, p{  
    color:rgb(239, 247, 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(239, 247, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 247, 212) }
```

Border

The CSS property to change the border of an element to Yxy 89.6257, 0.3286, 0.3648 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(239, 247, 212) }
```

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

```
.border{ border-color:rgb(239, 247, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 247, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 247, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 247, 212);  
box-shadow:4px 4px 4px 4px rgb(239, 247,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6257, 0.3286, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 247, 212) }
```

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

```
.background{ background-color: rgb(239,  
247, 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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