

Converting Colors

$Yxy(87.3303, 0.3243, 0.3595)$

Have a look what the booklet for
Yxy(87.3303, 0.3243, 0.3595)
contains.

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Color

Yxy(87.2698, 0.3244, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	EBF4D7
RGB	235, 244, 215
RGB Percent	92%, 96%, 84%
CMY	0.0787, 0.0430, 0.1569
CMYK	0.04, 0.00, 0.12, 0.04
HSL	79°, 57%, 90%
HSV	79°, 12%, 96%
XYZ	78.8588, 87.2698, 76.9627
YIQ	238.0030, 3.9450, -10.9270

Conversions

Conversions Part 2

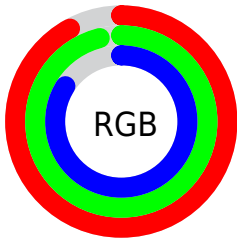
Format	Color
RYB	215, 244, 224
Decimal	15463639
CIELab	94.85, -7.98, 12.97
CIElCh	95, 15.228, 121.617
Yxy	87.2698, 0.3244, 0.3590
Android (android.graphics.Color)	4293653719 (0xFFEBF4D7)
YUV	238.0030, -11.3405, -2.6336
Hunter-Lab	93.4183, -12.8017, 16.5467

Details

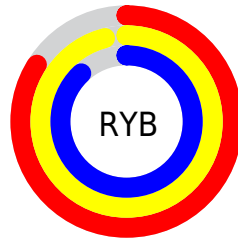
The Yxy color **87.2698, 0.3244, 0.3590** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.9817, 0.3001, 0.2983**, and the grayscale version is **85.5838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0882, 0.3269, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **84.8396, 0.3342, 0.3859**, and if you desaturate by 10%, it is **89.9505, 0.3146, 0.3336**.

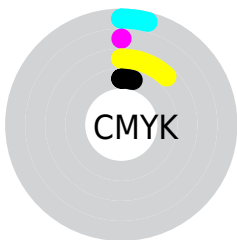
Distribution



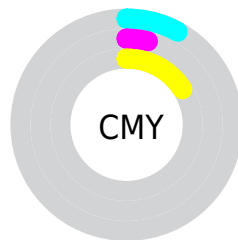
- Red (92%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (88%)



- Cyan (4%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)





- Cyan (8%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2698, 0.3244, 0.3590 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 87.2698, 0.3244, 0.3590 by changing the saturation by 10% instead.


 87.2698, 0.3244,
0.3590

 87.2698, 0.3244,
0.3590


519.1090, 0.3193,
0.3454

 65.7185, 0.3255,
0.3621


143.5401, 0.3227,
0.3543

 48.0439, 0.3269,
0.3658

179.0280, 0.3220,
0.3525

 33.8617, 0.3285,
0.3705


219.9301, 0.3214,
0.3509

 22.7874, 0.3306,
0.3766

266.6309, 0.3209,
0.3495

 14.4366, 0.3333,
0.3847

319.5148, 0.3204,
0.3483

 8.4249, 0.3369,
0.3962

378.9662, 0.3200,

 4.3680, 0.3420,

0.3472

0.4135

445.3695, 0.3196,
0.3462

■ 1.8815, 0.3494,
0.4427

■ 0.5372, 0.3702,
0.6298

■ 87.2698, 0.3244,
0.3590

■ 87.2698, 0.3244,
0.3590

■ 84.8396, 0.3342,
0.3859

■ 89.9505, 0.3146,
0.3336

■ 82.6395, 0.3437,
0.4136

■ 92.3000, 0.3101,
0.3184

■ 80.6639, 0.3523,
0.4415

■ 93.1972, 0.3132,
0.3185

■ 78.9023, 0.3597,
0.4683

■ 77.3434, 0.3652,
0.4930

■ 75.9746, 0.3684,
0.5142

■ 74.7815, 0.3690,
0.5309

■ 73.7469, 0.3672,
0.5426

■ 73.0041, 0.3642,
0.5490

Harmonies

Analogous

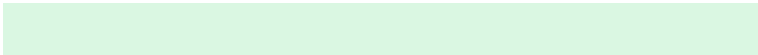
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2698, 0.3389, 0.3576



87.2698, 0.3244, 0.3590



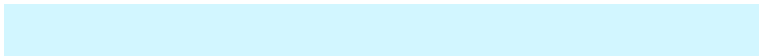
87.2698, 0.3070, 0.3518

Triad

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



87.2698, 0.3244, 0.3590



87.2698, 0.2800, 0.3084



87.2698, 0.3341, 0.3199

Complementary

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



87.2698, 0.3244, 0.3590



70.9817, 0.3001, 0.2983

Split Complementary

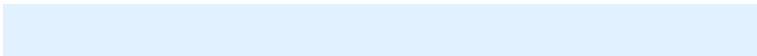
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2698, 0.3178, 0.3077



87.2698, 0.3244, 0.3590



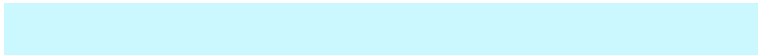
87.2698, 0.2868, 0.3009

Square

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



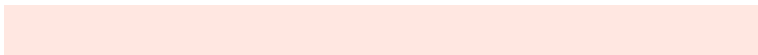
87.2698, 0.3244, 0.3590



87.2698, 0.2817, 0.3219



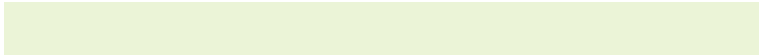
87.2698, 0.3004, 0.3008



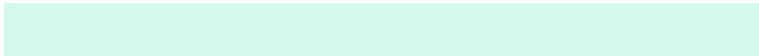
87.2698, 0.3447, 0.3347

Rectangle

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



87.2698, 0.3244, 0.3590



87.2698, 0.2962, 0.3431



87.2698, 0.3004, 0.3008



87.2698, 0.3291, 0.3154

Sweetspot

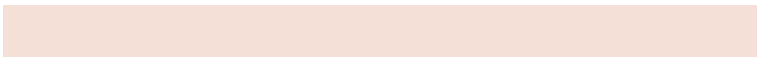
The Sweet Spot groups the original color and five complimentary colors.



87.2736, 0.3244, 0.3590



98.7599, 0.3166, 0.3388



77.2894, 0.3331, 0.3381



21.0898, 0.3174, 0.3407



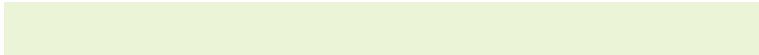
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

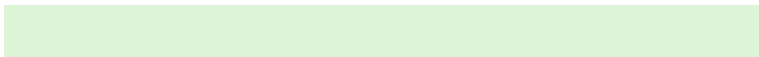
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2736, 0.3244, 0.3590



95.8525, 0.3265, 0.3646



84.9614, 0.3150, 0.3599



19.0383, 0.3220, 0.3527



39.7618, 0.3651, 0.5483



3.5491, 0.3720, 0.5428

Inverse Universe

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



70.9817, 0.3001, 0.2983



74.9411, 0.2976, 0.2925



73.3379, 0.3100, 0.2993



16.1783, 0.3028, 0.3049



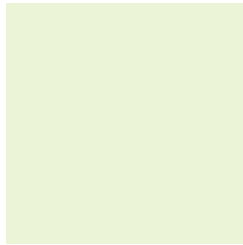
4.4589, 0.1718, 0.0720



0.4442, 0.1850, 0.0793

Previews

White Background



This preview shows how the Yxy color 87.2698, 0.3244, 0.3590 looks on a white background.

Color Contrast Check

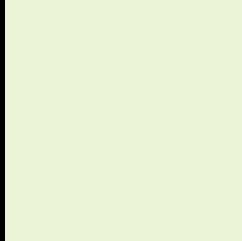
Large Text (above 18pt) WCAG AA × Fail

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 87.2698, 0.3244, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

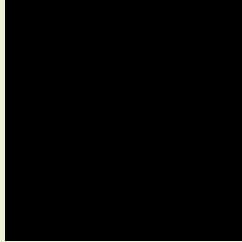
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

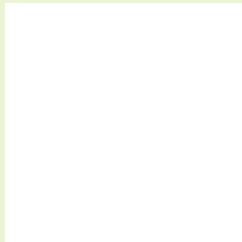
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2698, 0.3244, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 87.2698, 0.3244, 0.3590.

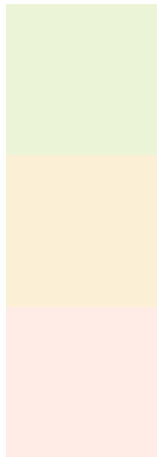


This preview shows how white text looks on a background with the Yxy color 87.2698, 0.3244, 0.3590.

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

87.2698, 0.3244, 0.3590

Protanopia

87.0463, 0.3372, 0.3551

Deuteranopia

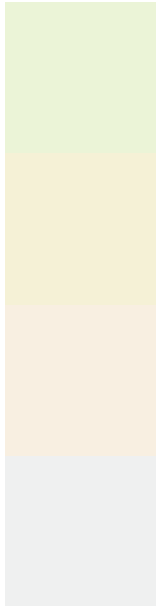
86.9641, 0.3294, 0.3350



Tritanopia

87.0698, 0.3044, 0.3122

Trichromacy



Original Color

87.2698, 0.3244, 0.3590

Protanomaly

87.1781, 0.3322, 0.3564

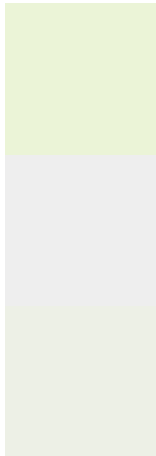
Deuteranomaly

87.1257, 0.3275, 0.3431

Tritanomaly

86.9622, 0.3121, 0.3290

Monochromacy



Original Color

87.2698, 0.3244, 0.3590

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.0379, 0.3169, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2698, 0.3244, 0.3590 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(235, 244, 215)` looks like.

```
.text, #text, p{  
    color:rgb(235, 244, 215)  
}
```

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(235, 244, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 244, 215) }
```

Border

The CSS property to change the border of an element to Yxy 87.2698, 0.3244, 0.3590 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(235, 244, 215) }
```

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

```
.border{ border-color:rgb(235, 244, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 244, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 244, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 244, 215);  
box-shadow:4px 4px 4px 4px rgb(235, 244,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2698, 0.3244, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 244, 215) }
```

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

```
.background{ background-color: rgb(235,  
244, 215) }
```

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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