

Converting Colors

Yxy(87.4877, 0.3333, 0.3693)

Have a look what the booklet for
Yxy(87.4877, 0.3333, 0.3693)
contains.

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Color

Yxy(87.4599, 0.3333, 0.3692)

Conversions

Conversions Part 1

Format	Color
Hex	EFF4CD
RGB	239, 244, 205
RGB Percent	94%, 96%, 80%
CMY	0.0629, 0.0431, 0.1961
CMYK	0.02, 0.00, 0.16, 0.04
HSL	68°, 64%, 88%
HSV	68°, 16%, 96%
XYZ	78.9555, 87.4599, 70.4749
YIQ	238.0590, 9.5390, -13.1890

Conversions

Conversions Part 2

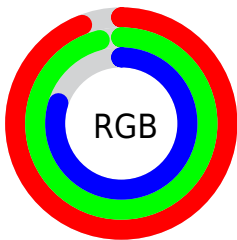
Format	Color
R_{YB}	205, 244, 210
Decimal	15725773
CIE _{Lab}	94.93, -8.14, 18.26
CIE _{LCh}	95, 19.992, 114.020
Yxy	87.4599, 0.3333, 0.3692
Android (android.graphics.Color)	4293915853 (0xFFEFF4CD)
YUV	238.0590, -16.2981, 0.8253
Hunter-Lab	93.5200, -12.9589, 20.7842

Details

The Yxy color $87.4599, 0.3333, 0.3692$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $63.9045, 0.2902, 0.2863$, and the grayscale version is $85.6689, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.2681, 0.3375, 0.3780$ is the 20% darker color. If you saturate the color by 10%, you get $85.8298, 0.3463, 0.3953$, and if you desaturate by 10%, it is $89.2912, 0.3203, 0.3437$.

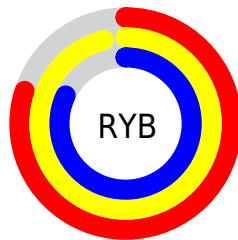
Distribution



Red (94%)

Green (96%)

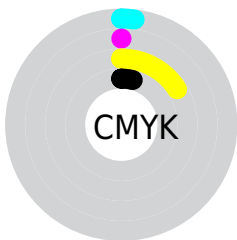
Blue (80%)



Red (80%)

Yellow (96%)

Blue (82%)

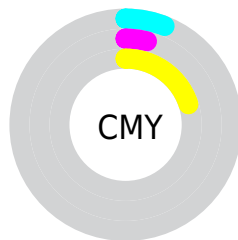


Cyan (2%)

Magenta (0%)

Yellow (16%)

Black (4%)



Cyan (6%)

Magenta (4%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4599, 0.3333, 0.3692 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 87.4599, 0.3333, 0.3692 by changing the saturation by 10% instead.

87.4599, 0.3333,
0.3692

87.4599, 0.3333,
0.3692

519.7329, 0.3242,
0.3509

65.8759, 0.3353,
0.3733

143.8050, 0.3302,
0.3629

48.1716, 0.3376,
0.3783

179.3348, 0.3290,
0.3605

33.9628, 0.3405,
0.3846

220.2821, 0.3280,
0.3583

22.8650, 0.3442,
0.3926

267.0311, 0.3270,
0.3565

14.4939, 0.3489,
0.4034

319.9663, 0.3262,
0.3549

8.4650, 0.3551,
0.4185

379.4721, 0.3255,

4.3939, 0.3637,

0.3534

0.4408

445.9328, 0.3248,
0.3521

■ 1.8962, 0.3814,
0.4848

■ 0.5461, 0.3698,
0.6302

■ 87.4599, 0.3333,
0.3692

■ 87.4599, 0.3333,
0.3692

■ 85.8298, 0.3463,
0.3953

■ 89.2912, 0.3203,
0.3437

■ 84.3807, 0.3588,
0.4213


■ 91.3200, 0.3077,
0.3194


■ 83.1073, 0.3703,
0.4462


■ 91.9720, 0.3090,
0.3183


■ 81.9995, 0.3803,
0.4690

■ 92.5568, 0.3110,
0.3184


 81.0462, 0.3882,
0.4886

 93.1514, 0.3131,
0.3185

 80.2349, 0.3936,
0.5042

 93.1927, 0.3132,
0.3185

 79.5509, 0.3964,
0.5152

 78.9760, 0.3966,
0.5217

 78.7648, 0.3963,
0.5236

Harmonies

Analogous

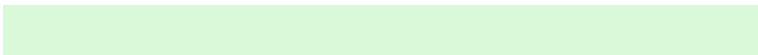
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4599, 0.3506, 0.3641



87.4599, 0.3333, 0.3692



87.4599, 0.3109, 0.3626

Triad

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



87.4599, 0.3333, 0.3692



87.4599, 0.2697, 0.3057



87.4599, 0.3358, 0.3126

Complementary

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



87.4599, 0.3333, 0.3692



63.9045, 0.2902, 0.2863

Split Complementary

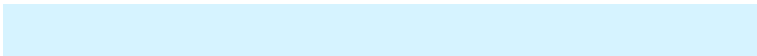
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4599, 0.3133, 0.2983



87.4599, 0.3333, 0.3692



87.4599, 0.2757, 0.2939

Square

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



87.4599, 0.3333, 0.3692



87.4599, 0.2746, 0.3247



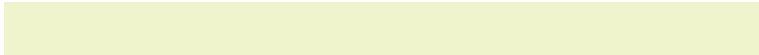
87.4599, 0.2914, 0.2914



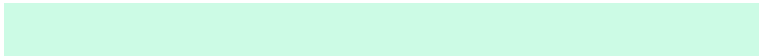
87.4599, 0.3523, 0.3312

Rectangle

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



87.4599, 0.3333, 0.3692



87.4599, 0.2961, 0.3524



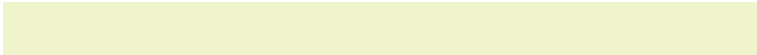
87.4599, 0.2914, 0.2914



87.4599, 0.3286, 0.3072

Sweetspot

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



87.4637, 0.3333, 0.3692



98.8935, 0.3191, 0.3413



69.5154, 0.3423, 0.3339



21.1350, 0.3200, 0.3430



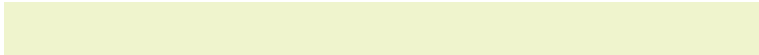
0.0000, 0.0000, 0.0000



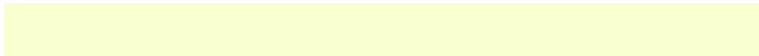
21.4041, 0.3127, 0.3290

Same Dimension

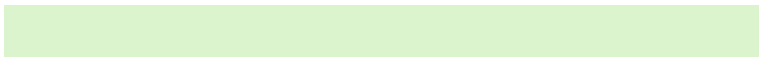
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4637, 0.3333, 0.3692



96.0906, 0.3373, 0.3771



84.3291, 0.3205, 0.3708



19.1982, 0.3248, 0.3525



42.8631, 0.3967, 0.5233



3.7970, 0.3997, 0.5209

Inverse Universe

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



63.9045, 0.2902, 0.2863



65.7492, 0.2853, 0.2773



66.8623, 0.3037, 0.2880



16.0297, 0.2999, 0.3047



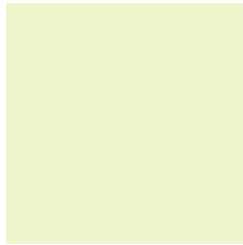
3.7475, 0.1549, 0.0627



0.3612, 0.1636, 0.0675

Previews

White Background



This preview shows how the Yxy color 87.4599, 0.3333, 0.3692 looks on a white background.

Color Contrast Check

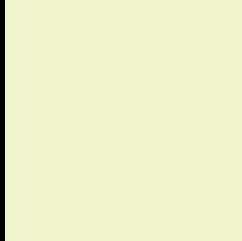
Large Text (above 18pt) WCAG AA × Fail

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 87.4599, 0.3333, 0.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

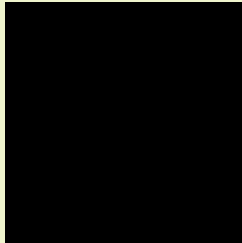
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

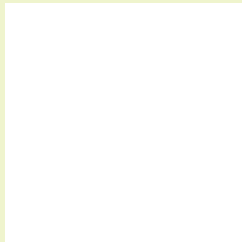
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4599, 0.3333, 0.3692

Background



This preview shows how black text looks on a background with the Yxy color 87.4599, 0.3333, 0.3692.

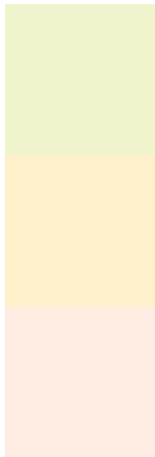


This preview shows how white text looks on a background with the Yxy color 87.4599, 0.3333, 0.3692.

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

87.4599, 0.3333, 0.3692

Protanopia

87.5146, 0.3450, 0.3662

Deuteranopia

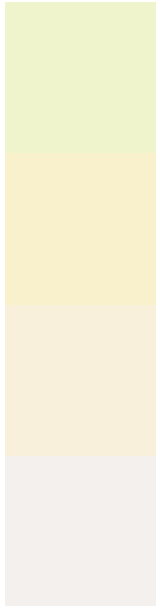
87.4298, 0.3306, 0.3379



Tritanopia

87.3812, 0.3076, 0.3114

Trichromacy



Original Color

87.4599, 0.3333, 0.3692

Protanomaly

87.2267, 0.3406, 0.3665

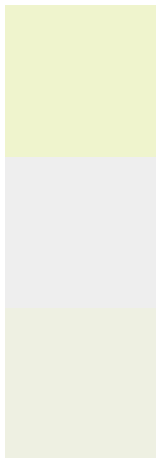
Deuteranomaly

87.6272, 0.3312, 0.3491

Tritanomaly

87.4893, 0.3165, 0.3320

Monochromacy



Original Color

87.4599, 0.3333, 0.3692

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9883, 0.3200, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4599, 0.3333, 0.3692 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, 244, 205)` looks like.

```
.text, #text, p{  
    color:rgb(239, 244, 205)  
}
```

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, 244, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 244, 205) }
```

Border

The CSS property to change the border of an element to Yxy 87.4599, 0.3333, 0.3692 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, 244, 205) }
```

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

```
.border{ border-color:rgb(239, 244, 205) }
```

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

Here you see how a box with a 4 pixel rgb(239, 244, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 244, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 244, 205);  
box-shadow:4px 4px 4px 4px rgb(239, 244,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4599, 0.3333, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 244, 205) }
```

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

```
.background{ background-color: rgb(239,  
244, 205) }
```

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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