

Converting Colors

$Y_{xy}(87.1738, 0.3253, 0.3441)$

Have a look what the booklet for
Yxy(87.1738, 0.3253, 0.3441)
contains.

Yxy(87.1689, 0.3253, 0.3441)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.1689, 0.3253, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	F5F0E1
RGB	245, 240, 225
RGB Percent	96%, 94%, 88%
CMY	0.0393, 0.0588, 0.1175
CMYK	0.00, 0.02, 0.08, 0.04
HSL	45°, 50%, 92%
HSV	45°, 8%, 96%
XYZ	82.4064, 87.1689, 83.7490
YIQ	239.7850, 7.7950, -3.6050

Conversions

Conversions Part 2

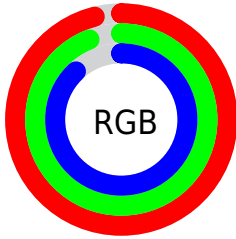
Format	Color
RYB	232, 245, 225
Decimal	16117985
CIELab	94.81, -0.86, 7.80
CIELCh	95, 7.852, 96.264
Yxy	87.1689, 0.3253, 0.3441
Android (android.graphics.Color)	4294308065 (0xFFFF5F0E1)
YUV	239.7850, -7.2890, 4.5736
Hunter-Lab	93.3643, -5.8375, 12.1711

Details

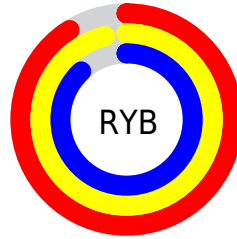
The Yxy color **87.1689, 0.3253, 0.3441** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.2110, 0.3001, 0.3134**, and the grayscale version is **87.0166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0021, 0.3282, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **82.3921, 0.3420, 0.3634**, and if you desaturate by 10%, it is **92.2664, 0.3100, 0.3256**.

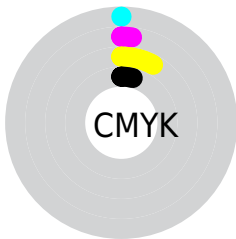
Distribution



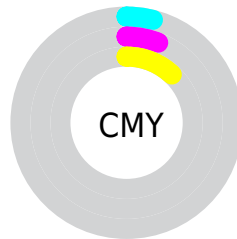
- Red (96%)
- Green (94%)
- Blue (88%)



- Red (91%)
- Yellow (96%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (4%)





- Cyan (4%)
- Magenta (6%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1689, 0.3253, 0.3441 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 87.1689, 0.3253, 0.3441 by changing the saturation by 10% instead.

 87.1689, 0.3253,
0.3441

 87.1689, 0.3253,
0.3441

518.7777, 0.3197,
0.3373

 65.6350, 0.3265,
0.3456


143.3995, 0.3234,
0.3418

 47.9762, 0.3281,
0.3474

178.8650, 0.3226,
0.3409

 33.8080, 0.3300,
0.3497


219.7432, 0.3220,
0.3401

 22.7461, 0.3324,
0.3527

266.4184, 0.3214,
0.3394

 14.4062, 0.3356,
0.3566

319.2751, 0.3209,
0.3388

 8.4037, 0.3401,
0.3620

378.6976, 0.3204,

 4.3543, 0.3467,

0.3382

0.3701

445.0703, 0.3200,
0.3378

■ 1.8737, 0.3574,
0.3834

■ 0.5325, 0.4613,
0.5063

■ 87.1689, 0.3253,
0.3441

■ 87.1689, 0.3253,
0.3441

■ 82.3921, 0.3420,
0.3634

■ 92.2664, 0.3100,
0.3256

■ 77.9152, 0.3598,
0.3831

■ 96.3939, 0.3066,
0.3263

■ 73.7320, 0.3785,
0.4026

■ 98.1489, 0.3066,
0.3290

■ 69.8321, 0.3975,
0.4210

■ 66.2039, 0.4161,
0.4374

■ 62.8345, 0.4336,
0.4506

■ 59.7099, 0.4489,
0.4596

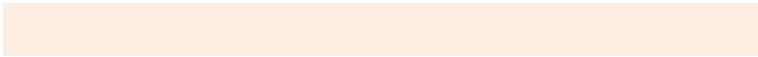
■ 56.8133, 0.4615,
0.4638

■ 54.1221, 0.4710,
0.4633

Harmonies

Analogous

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



87.1689, 0.3298, 0.3401



87.1689, 0.3253, 0.3441



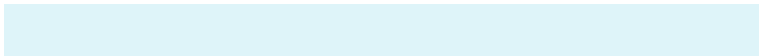
87.1689, 0.3175, 0.3440

Triad

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



87.1689, 0.3253, 0.3441



87.1689, 0.2962, 0.3243



87.1689, 0.3168, 0.3187

Complementary

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



87.1689, 0.3253, 0.3441



79.2110, 0.3001, 0.3134

Split Complementary

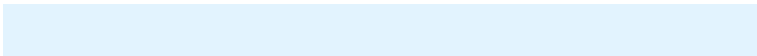
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1689, 0.3078, 0.3145



87.1689, 0.3253, 0.3441



87.1689, 0.2960, 0.3176

Square

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



87.1689, 0.3253, 0.3441



87.1689, 0.3007, 0.3324



87.1689, 0.3002, 0.3141



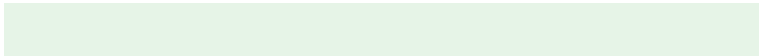
87.1689, 0.3248, 0.3255

Rectangle

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



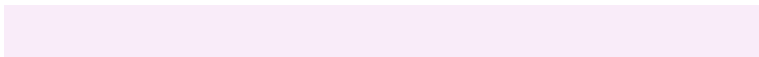
87.1689, 0.3253, 0.3441



87.1689, 0.3115, 0.3415



87.1689, 0.3002, 0.3141



87.1689, 0.3138, 0.3169

Sweetspot

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



87.1727, 0.3253, 0.3441



98.8669, 0.3157, 0.3327



79.0000, 0.3235, 0.3240



21.1735, 0.3156, 0.3325



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.



87.1727, 0.3253, 0.3441



94.4738, 0.3283, 0.3477



89.2562, 0.3215, 0.3492



18.5725, 0.3275, 0.3467



29.1318, 0.4716, 0.4638



2.7221, 0.4636, 0.4701

Inverse Universe

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



79.2110, 0.3001, 0.3134



83.8710, 0.2971, 0.3096



77.2957, 0.3035, 0.3084



16.5982, 0.2979, 0.3107



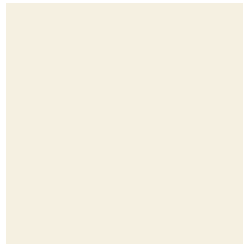
5.5395, 0.1580, 0.0886



0.6434, 0.1644, 0.1118

Previews

White Background



This preview shows how the Yxy color 87.1689, 0.3253, 0.3441 looks on a white background.

Color Contrast Check

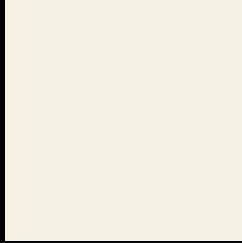
Large Text (above 18pt) WCAG AA × Fail

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 87.1689, 0.3253, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

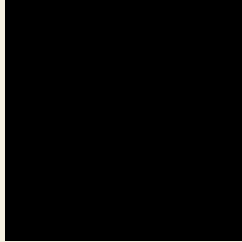
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

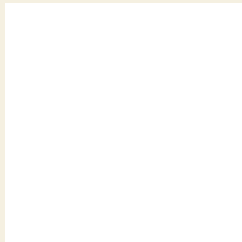
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1689, 0.3253, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 87.1689, 0.3253, 0.3441.

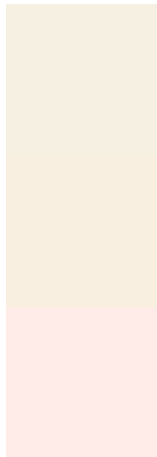


This preview shows how white text looks on a background with the Yxy color 87.1689, 0.3253, 0.3441.

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

87.1689, 0.3253, 0.3441

Protanopia

87.1257, 0.3275, 0.3431

Deuteranopia

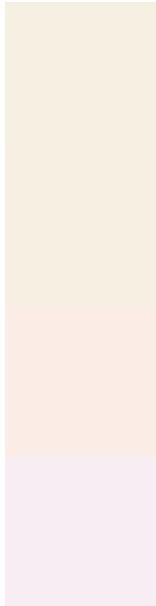
87.1341, 0.3275, 0.3320



Tritanopia

87.2864, 0.3102, 0.3114

Trichromacy



Original Color

87.1689, 0.3253, 0.3441

Protanomaly

86.9434, 0.3268, 0.3431

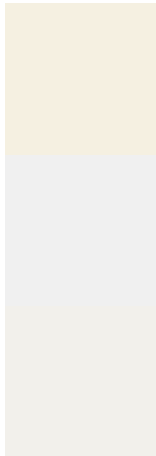
Deuteranomaly

86.7908, 0.3265, 0.3360

Tritanomaly

86.9959, 0.3163, 0.3231

Monochromacy



Original Color

87.1689, 0.3253, 0.3441

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.1956, 0.3171, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1689, 0.3253, 0.3441 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(245, 240, 225)` looks like.

```
.text, #text, p{  
    color:rgb(245, 240, 225)  
}
```

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(245, 240, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 240, 225) }
```

Border

The CSS property to change the border of an element to Yxy 87.1689, 0.3253, 0.3441 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(245, 240, 225) }
```

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

```
.border{ border-color:rgb(245, 240, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 240, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 240, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 240, 225);  
box-shadow:4px 4px 4px 4px rgb(245, 240,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1689, 0.3253, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 240, 225) }
```

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

```
.background{ background-color: rgb(245,  
240, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor