

Converting Colors

$Yxy(84.5190, 0.3390, 0.3599)$

Have a look what the booklet for
Yxy(84.5190, 0.3390, 0.3599)
contains.

Yxy(84.7988, 0.3393, 0.3606)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.7988, 0.3393, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	F7EDCE
RGB	247, 237, 206
RGB Percent	97%, 93%, 81%
CMY	0.0313, 0.0706, 0.1920
CMYK	0.00, 0.04, 0.17, 0.03
HSL	45°, 72%, 89%
HSV	45°, 17%, 97%
XYZ	79.7899, 84.7988, 70.5716
YIQ	236.4560, 15.9110, -7.5210

Conversions

Conversions Part 2

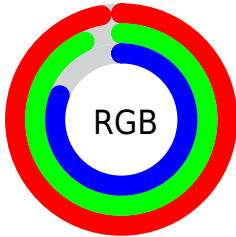
Format	Color
R _Y B	219, 247, 206
Decimal	16248270
CIE Lab	93.80, -1.59, 16.22
CIE LCh	94, 16.299, 95.593
Yxy	84.7988, 0.3393, 0.3606
Android (android.graphics.Color)	4294438350 (0xFFF7EDCE)
YUV	236.4560, -15.0148, 9.2471
Hunter-Lab	92.0863, -6.4863, 19.0227

Details

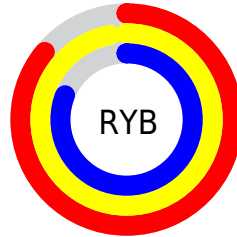
The Yxy color **84.7988, 0.3393, 0.3606** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.9792, 0.2860, 0.2953**, and the grayscale version is **84.3620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2619, 0.3446, 0.3671** is the 20% darker color. If you saturate the color by 10%, you get **80.2564, 0.3569, 0.3804**, and if you desaturate by 10%, it is **89.6552, 0.3228, 0.3413**.

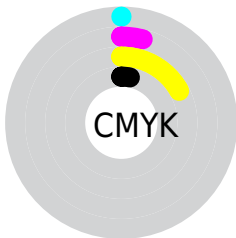
Distribution



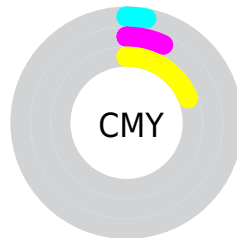
- Red (97%)
- Green (93%)
- Blue (81%)



- Red (86%)
- Yellow (97%)
- Blue (81%)



- Cyan (0%)
- Magenta (4%)
- Yellow (17%)
- Black (3%)




- Cyan (3%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7988, 0.3393, 0.3606 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 84.7988, 0.3393, 0.3606 by changing the saturation by 10% instead.

 84.7988, 0.3393,
0.3606

 84.7988, 0.3393,
0.3606


510.9621, 0.3274,
0.3463

 63.6751, 0.3419,
0.3638

140.0920, 0.3352,
0.3557

 46.3876, 0.3452,
0.3676

175.0304, 0.3336,
0.3538

 32.5518, 0.3492,
0.3725


215.3425, 0.3322,
0.3521

 21.7833, 0.3543,
0.3787

261.4126, 0.3310,
0.3507

 13.6978, 0.3610,
0.3869

313.6253, 0.3299,
0.3494

 7.9108, 0.3703,
0.3983

372.3648, 0.3290,

 4.0379, 0.3837,

0.3483

0.4151

438.0156, 0.3281,
0.3473

■ 1.6948, 0.4110,
0.4489

■ 0.4203, 0.4618,
0.5382

■ 84.7988, 0.3393,
0.3606

■ 84.7988, 0.3393,
0.3606

■ 80.2564, 0.3569,
0.3804

■ 89.6552, 0.3228,
0.3413

■ 76.0067, 0.3754,
0.4001

■ 94.7958, 0.3080,
0.3233

■ 72.0430, 0.3943,
0.4189

■ 98.5176, 0.3078,
0.3290

■ 68.3535, 0.4129,
0.4357

■ 64.9258, 0.4304,
0.4495

■ 61.7455, 0.4460,
0.4593

■ 58.7961, 0.4588,
0.4643

■ 56.0573, 0.4685,
0.4645

■ 55.1622, 0.4714,
0.4639

Harmonies

Analogous

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



84.7988, 0.3487, 0.3516



84.7988, 0.3393, 0.3606



84.7988, 0.3229, 0.3610

Triad

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



84.7988, 0.3393, 0.3606



84.7988, 0.2785, 0.3191



84.7988, 0.3206, 0.3075

Complementary

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



84.7988, 0.3393, 0.3606



68.9792, 0.2860, 0.2953

Split Complementary

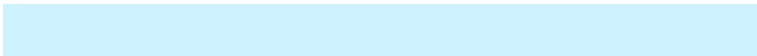
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7988, 0.3018, 0.2992



84.7988, 0.3393, 0.3606



84.7988, 0.2779, 0.3052

Square

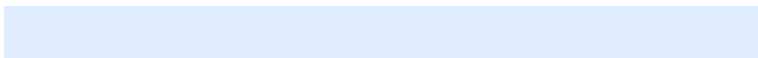
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7988, 0.3393, 0.3606



84.7988, 0.2880, 0.3364



84.7988, 0.2863, 0.2982



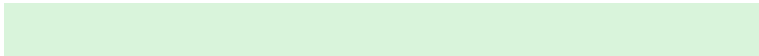
84.7988, 0.3378, 0.3212

Rectangle

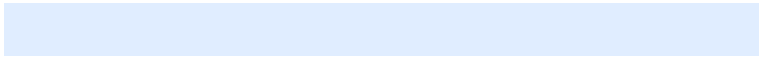
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7988, 0.3393, 0.3606



84.7988, 0.3103, 0.3560



84.7988, 0.2863, 0.2982



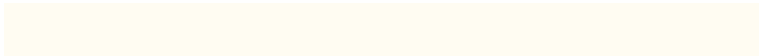
84.7988, 0.3143, 0.3040

Sweetspot

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



84.8026, 0.3393, 0.3606



97.2332, 0.3204, 0.3383



68.9059, 0.3368, 0.3184



20.7302, 0.3215, 0.3396



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.



84.8026, 0.3393, 0.3606



89.4413, 0.3452, 0.3674



88.9560, 0.3308, 0.3712



18.5870, 0.3275, 0.3468



29.4025, 0.4704, 0.4647



2.7439, 0.4626, 0.4709

Inverse Universe

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



68.9792, 0.2860, 0.2953



69.4091, 0.2801, 0.2874



65.5137, 0.2926, 0.2850



16.5846, 0.2979, 0.3106



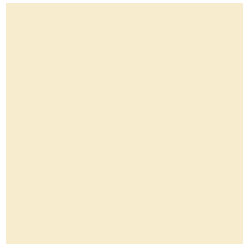
5.4672, 0.1577, 0.0876



0.6354, 0.1641, 0.1107

Previews

White Background



This preview shows how the Yxy color 84.7988, 0.3393, 0.3606 looks on a white background.

Color Contrast Check

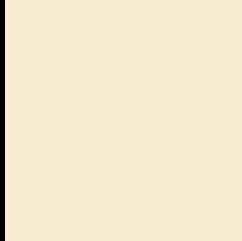
Large Text (above 18pt) WCAG AA × Fail

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 84.7988, 0.3393, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

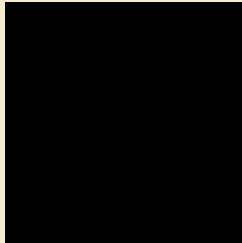
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

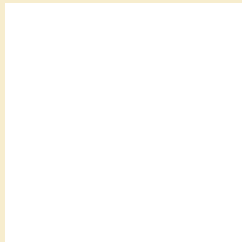
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7988, 0.3393, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 84.7988, 0.3393, 0.3606.

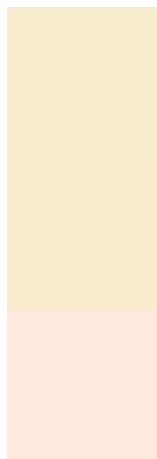


This preview shows how white text looks on a background with the Yxy color 84.7988, 0.3393, 0.3606.

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

84.7988, 0.3393, 0.3606

Protanopia

84.5869, 0.3409, 0.3595

Deuteranopia

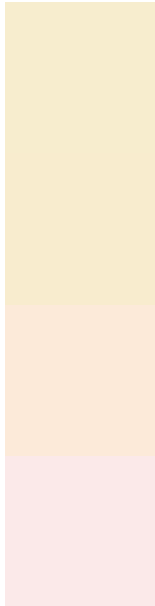
84.8655, 0.3343, 0.3390



Tritanopia

84.8740, 0.3162, 0.3114

Trichromacy



Original Color

84.7988, 0.3393, 0.3606

Protanomaly

84.4036, 0.3402, 0.3596

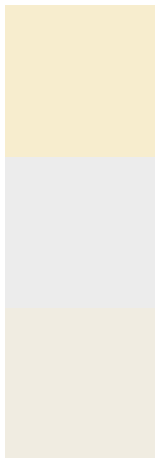
Deuteranomaly

84.5508, 0.3361, 0.3461

Tritanomaly

84.6702, 0.3250, 0.3290

Monochromacy



Original Color

84.7988, 0.3393, 0.3606

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9524, 0.3223, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7988, 0.3393, 0.3606 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(247, 237, 206)` looks like.

```
.text, #text, p{  
    color:rgb(247, 237, 206)  
}
```

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(247, 237, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 237, 206) }
```

Border

The CSS property to change the border of an element to Yxy 84.7988, 0.3393, 0.3606 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(247, 237, 206) }
```

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

```
.border{ border-color:rgb(247, 237, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 237, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 237, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 237, 206); box-shadow:4px 4px 4px 4px rgb(247, 237, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7988, 0.3393, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 237, 206) }
```

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

```
.background{ background-color: rgb(247,  
237, 206) }
```

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