

Converting Colors

$Yxy(85.6992, 0.3610, 0.3884)$

Have a look what the booklet for
Yxy(85.6992, 0.3610, 0.3884)
contains.

Yxy(85.5152, 0.3611, 0.3875)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.5152, 0.3611, 0.3875)

Conversions

Conversions Part 1

Format	Color
Hex	FEEEE4
RGB	254, 238, 180
RGB Percent	100%, 93%, 71%
CMY	0.0039, 0.0667, 0.2942
CMYK	0.00, 0.06, 0.29, 0.00
HSL	47°, 97%, 85%
HSV	47°, 29%, 100%
XYZ	79.6891, 85.5152, 55.4801
YIQ	236.1720, 28.1540, -14.6460

Conversions

Conversions Part 2

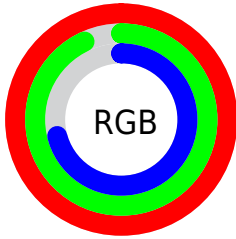
Format	Color
R _Y B	200, 254, 180
Decimal	16707252
CIE Lab	94.10, -3.12, 30.09
CIE LCh	94, 30.253, 95.912
Yxy	85.5152, 0.3611, 0.3875
Android (android.graphics.Color)	4294897332 (0xFFFEEB4)
YUV	236.1720, -27.6928, 15.6352
Hunter-Lab	92.4744, -8.0092, 29.1611

Details

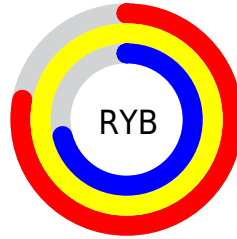
The Yxy color **85.5152, 0.3611, 0.3875** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.3409, 0.2632, 0.2627**, and the grayscale version is **84.2225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **46.8585, 0.3717, 0.3996** is the 20% darker color. If you saturate the color by 10%, you get **81.4257, 0.3793, 0.4077**, and if you desaturate by 10%, it is **89.8998, 0.3435, 0.3670**.

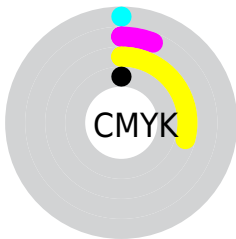
Distribution



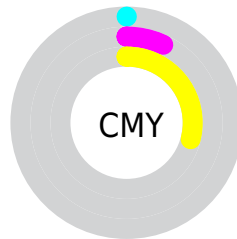
- Red (100%)
- Green (93%)
- Blue (71%)



- Red (78%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (6%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5152, 0.3611, 0.3875 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 85.5152, 0.3611, 0.3875 by changing the saturation by 10% instead.

 85.5152, 0.3611,
0.3875

 85.5152, 0.3611,
0.3875


513.3313, 0.3396,
0.3612

 64.2672, 0.3657,
0.3933


 141.0928, 0.3539,
0.3786

 46.8671, 0.3713,
0.4002


176.1911, 0.3510,
0.3750

 32.9306, 0.3782,
0.4088


216.6749, 0.3485,
0.3720

 22.0733, 0.3867,
0.4197

262.9287, 0.3463,
0.3693

 13.9108, 0.3975,
0.4337

315.3369, 0.3443,
0.3669

 8.0586, 0.4115,
0.4522

374.2838, 0.3426,

 4.1325, 0.4298,

0.3648

0.4776

440.1538, 0.3410,
0.3629

■ 1.7479, 0.4691,
0.5309

■ 0.4544, 0.4392,
0.5608

■ 85.5152, 0.3611,
0.3875

■ 85.5152, 0.3611,
0.3875

■ 81.4257, 0.3793,
0.4077

■ 89.8998, 0.3435,
0.3670

■ 77.6085, 0.3975,
0.4266

■ 94.5783, 0.3269,
0.3468

■ 74.0553, 0.4151,
0.4432

■ 99.4872, 0.3121,
0.3285

■ 70.7523, 0.4312,
0.4565

■ 99.8138, 0.3121,
0.3290

■ 67.6844, 0.4450,
0.4655

■ 64.8335, 0.4559,
0.4697

■ 62.1728, 0.4639,
0.4695

■ 61.9506, 0.4645,
0.4693

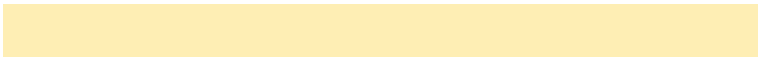
Harmonies

Analogous

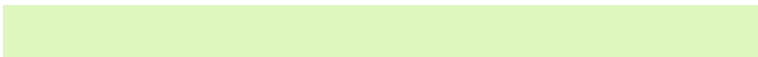
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5152, 0.3794, 0.3696



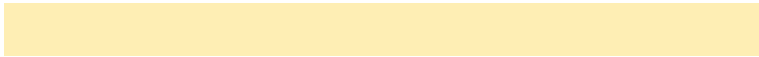
85.5152, 0.3611, 0.3875



85.5152, 0.3303, 0.3895

Triad

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



85.5152, 0.3611, 0.3875



85.5152, 0.2507, 0.3092



85.5152, 0.3272, 0.2906

Complementary

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



85.5152, 0.3611, 0.3875



56.3409, 0.2632, 0.2627

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.



85.5152, 0.2925, 0.2756



85.5152, 0.3611, 0.3875



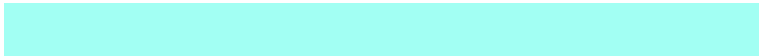
85.5152, 0.2499, 0.2845

Square

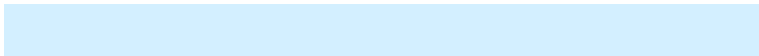
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5152, 0.3611, 0.3875



85.5152, 0.2670, 0.3420



85.5152, 0.2647, 0.2730



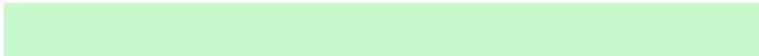
85.5152, 0.3595, 0.3146

Rectangle

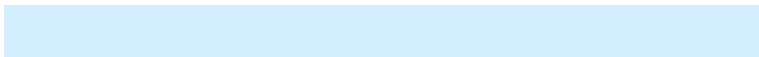
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5152, 0.3611, 0.3875



85.5152, 0.3071, 0.3802



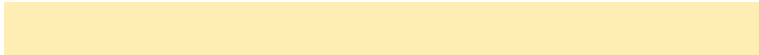
85.5152, 0.2647, 0.2730



85.5152, 0.3154, 0.2844

Sweetspot

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



85.5191, 0.3611, 0.3875



95.4822, 0.3266, 0.3465



57.6996, 0.3636, 0.3124



20.2859, 0.3290, 0.3494



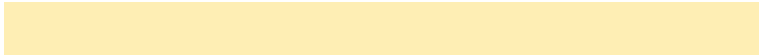
0.0000, 0.0000, 0.0000



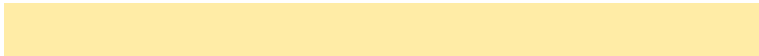
21.4041, 0.3127, 0.3290

Same Dimension

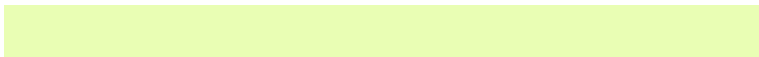
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5191, 0.3611, 0.3875



83.8181, 0.3717, 0.3994



91.5193, 0.3427, 0.4057



20.3845, 0.3275, 0.3475



32.8823, 0.4637, 0.4700



3.3593, 0.4576, 0.4749

Inverse Universe

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



56.3409, 0.2632, 0.2627



50.0219, 0.2520, 0.2468



52.2083, 0.2759, 0.2471



18.0146, 0.2979, 0.3098



5.3844, 0.1562, 0.0821



0.6758, 0.1616, 0.1018

Previews

White Background



This preview shows how the Yxy color 85.5152, 0.3611, 0.3875 looks on a white background.

Color Contrast Check

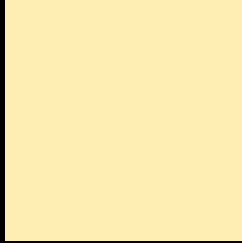
Large Text (above 18pt) WCAG AA × Fail

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 85.5152, 0.3611, 0.3875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

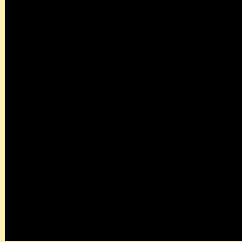
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5152, 0.3611, 0.3875

Background



This preview shows how black text looks on a background with the Yxy color 85.5152, 0.3611, 0.3875.



This preview shows how white text looks on a background with the Yxy color 85.5152, 0.3611, 0.3875.

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

85.5152, 0.3611, 0.3875

Protanopia

85.7044, 0.3618, 0.3873

Deuteranopia

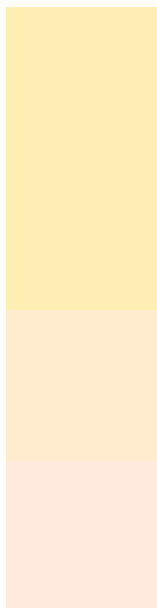
85.2201, 0.3368, 0.3440



Tritanopia

85.5049, 0.3207, 0.3173

Trichromacy



Original Color

85.5152, 0.3611, 0.3875

Protanomaly

85.7044, 0.3618, 0.3873

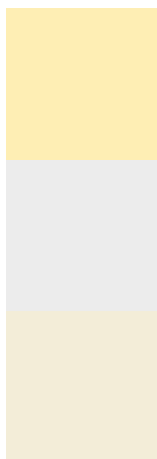
Deuteranomaly

85.0844, 0.3460, 0.3591

Tritanomaly

85.3261, 0.3355, 0.3420

Monochromacy



Original Color

85.5152, 0.3611, 0.3875

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.5809, 0.3300, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5152, 0.3611, 0.3875 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(254, 238, 180)` looks like.

```
.text, #text, p{  
    color:rgb(254, 238, 180)  
}
```

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(254, 238, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 238, 180) }
```

Border

The CSS property to change the border of an element to Yxy 85.5152, 0.3611, 0.3875 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(254, 238, 180) }
```

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

```
.border{ border-color:rgb(254, 238, 180) }
```

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

Here you see how a box with a 4 pixel rgb(254, 238, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 238, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 238, 180);  
box-shadow:4px 4px 4px 4px rgb(254, 238,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5152, 0.3611, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 238, 180) }
```

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

```
.background{ background-color: rgb(254,  
238, 180) }
```

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