

Converting Colors

$Yxy(85.3588, 0.3532, 0.3959)$

Have a look what the booklet for
Yxy(85.3588, 0.3532, 0.3959)
contains.

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Color

Yxy(85.5558, 0.3534, 0.3962)

Conversions

Conversions Part 1

Format	Color
Hex	F2F2B1
RGB	242, 242, 177
RGB Percent	95%, 95%, 69%
CMY	0.0508, 0.0510, 0.3060
CMYK	0.00, 0.00, 0.27, 0.05
HSL	60°, 72%, 82%
HSV	60°, 27%, 95%
XYZ	76.3135, 85.5558, 54.0716
YIQ	234.5900, 20.8650, -20.2150

Conversions

Conversions Part 2

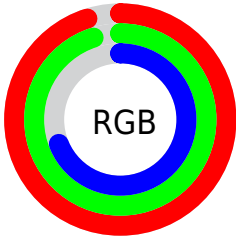
Format	Color
R_{YB}	177, 242, 177
Decimal	15921841
CIE _{Lab}	94.12, -9.94, 31.49
CIE _{LCh}	94, 33.019, 107.528
Yxy	85.5558, 0.3534, 0.3962
Android (android.graphics.Color)	4294111921 (0xFFFF2F2B1)
YUV	234.5900, -28.3919, 6.4986
Hunter-Lab	92.4964, -14.5984, 30.0877

Details

The Yxy color **85.5558, 0.3534, 0.3962** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.2079, 0.2659, 0.2516**, and the grayscale version is **82.9624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **46.8873, 0.3613, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **84.6692, 0.3682, 0.4207**, and if you desaturate by 10%, it is **86.6213, 0.3381, 0.3710**.

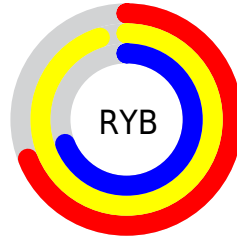
Distribution



Red (95%)

Green (95%)

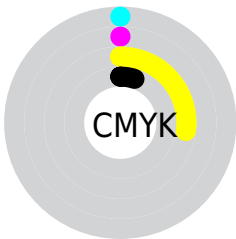
Blue (69%)



Red (69%)

Yellow (95%)

Blue (69%)

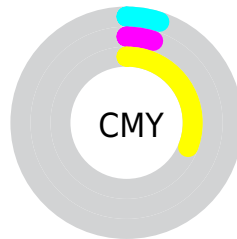


Cyan (0%)

Magenta (0%)

Yellow (27%)

Black (5%)



Cyan (5%)


Magenta (5%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5558, 0.3534, 0.3962 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 85.5558, 0.3534, 0.3962 by changing the saturation by 10% instead.

 85.5558, 0.3534,
0.3962

 85.5558, 0.3534,
0.3962


513.4654, 0.3356,
0.3656

 64.3007, 0.3572,
0.4030


 141.1495, 0.3475,
0.3857

 46.8943, 0.3617,
0.4113


176.2568, 0.3451,
0.3816

 32.9521, 0.3671,
0.4216


216.7504, 0.3430,
0.3780

 22.0897, 0.3738,
0.4348

263.0146, 0.3412,
0.3749

 13.9229, 0.3820,
0.4519

315.4338, 0.3396,
0.3722

 8.0670, 0.3920,
0.4751

374.3924, 0.3381,

 4.1379, 0.4047,

0.3698

0.5085

440.2748, 0.3368,
0.3676

■ 1.7510, 0.4280,
0.5720

■ 0.4563, 0.2950,
0.7050

■ 85.5558, 0.3534,
0.3962

■ 85.5558, 0.3534,
0.3962

■ 84.6692, 0.3682,
0.4207

■ 86.6213, 0.3381,
0.3710

■ 83.9408, 0.3821,
0.4435


■ 87.8625, 0.3229,
0.3459


■ 83.3647, 0.3942,
0.4637

■ 89.2911, 0.3082,
0.3215

■ 82.9298, 0.4043,
0.4802

■ 89.6444, 0.3050,
0.3163

 82.6239, 0.4118,
0.4926


 89.6540, 0.3050,
0.3163

 82.4322, 0.4166,
0.5005

 89.6635, 0.3050,
0.3163

 82.3363, 0.4190,
0.5044

 89.6730, 0.3050,
0.3163

 82.3168, 0.4194,
0.5052

 89.6825, 0.3050,
0.3163

 89.6921, 0.3050,
0.3163

Harmonies

Analogous

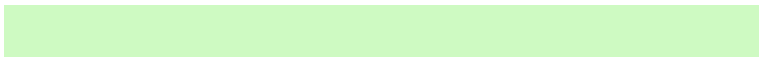
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5558, 0.3798, 0.3821



85.5558, 0.3534, 0.3962



85.5558, 0.3170, 0.3906

Triad

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



85.5558, 0.3534, 0.3962



85.5558, 0.2429, 0.2953



85.5558, 0.3431, 0.2964

Complementary

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



85.5558, 0.3534, 0.3962



47.2079, 0.2659, 0.2516

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.



85.5558, 0.3048, 0.2760



85.5558, 0.3534, 0.3962



85.5558, 0.2488, 0.2739

Square

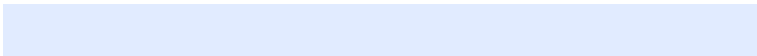
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5558, 0.3534, 0.3962



85.5558, 0.2543, 0.3287



85.5558, 0.2707, 0.2676



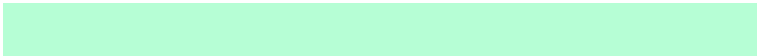
85.5558, 0.3743, 0.3248

Rectangle

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



85.5558, 0.3534, 0.3962



85.5558, 0.2923, 0.3753



85.5558, 0.2707, 0.2676



85.5558, 0.3305, 0.2885

Sweetspot

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



85.5596, 0.3534, 0.3962



98.7465, 0.3246, 0.3487



53.5346, 0.3700, 0.3280



21.0886, 0.3269, 0.3525



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.



85.5596, 0.3534, 0.3962



95.7783, 0.3612, 0.4091



80.4895, 0.3313, 0.4013



18.4572, 0.3268, 0.3523



44.2058, 0.4194, 0.5052



3.6781, 0.4194, 0.5052

Inverse Universe

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



47.2079, 0.2659, 0.2516



46.2114, 0.2552, 0.2340



51.3181, 0.2893, 0.2565



15.2304, 0.2979, 0.3046



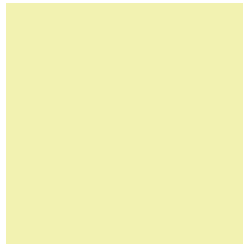
3.4466, 0.1500, 0.0600



0.2873, 0.1501, 0.0602

Previews

White Background



This preview shows how the Yxy color 85.5558, 0.3534, 0.3962 looks on a white background.

Color Contrast Check

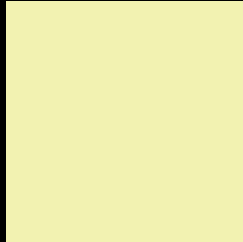
Large Text (above 18pt) WCAG AA × Fail

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 85.5558, 0.3534, 0.3962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

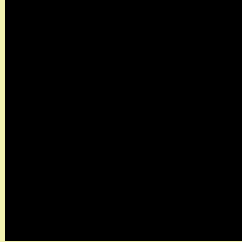
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5558, 0.3534, 0.3962

Background



This preview shows how black text looks on a background with the Yxy color 85.5558, 0.3534, 0.3962.

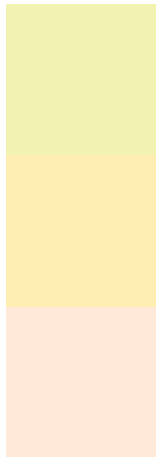


This preview shows how white text looks on a background with the Yxy color 85.5558, 0.3534, 0.3962.

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

85.5558, 0.3534, 0.3962

Protanopia

85.5834, 0.3638, 0.3904

Deuteranopia

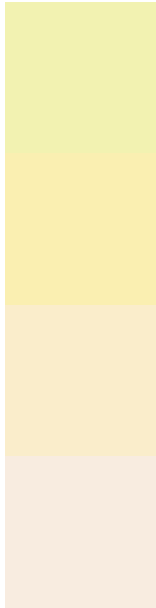
85.1676, 0.3375, 0.3450



Tritanopia

85.1875, 0.3136, 0.3104

Trichromacy



Original Color

85.5558, 0.3534, 0.3962

Protanomaly

85.2313, 0.3599, 0.3921

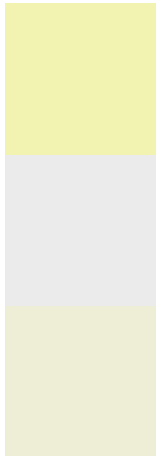
Deuteranomaly

85.2042, 0.3434, 0.3635

Tritanomaly

85.3292, 0.3284, 0.3411

Monochromacy



Original Color

85.5558, 0.3534, 0.3962

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.1813, 0.3277, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5558, 0.3534, 0.3962 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(242, 242, 177)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 177)  
}
```

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(242, 242, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 177) }
```

Border

The CSS property to change the border of an element to Yxy 85.5558, 0.3534, 0.3962 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(242, 242, 177) }
```

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

```
.border{ border-color:rgb(242, 242, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 242, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 177);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5558, 0.3534, 0.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 177) }
```

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

```
.background{ background-color: rgb(242,  
242, 177) }
```

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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