

Converting Colors

$Y_{xy}(85.9117, 0.3583, 0.4010)$

Have a look what the booklet for
Yxy(85.9117, 0.3583, 0.4010)
contains.

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Color

Yxy(85.8953, 0.3586, 0.4008)

Conversions

Conversions Part 1

Format	Color
Hex	F5F2AC
RGB	245, 242, 172
RGB Percent	96%, 95%, 67%
CMY	0.0393, 0.0509, 0.3254
CMYK	0.00, 0.01, 0.30, 0.04
HSL	58°, 78%, 82%
HSV	58°, 30%, 96%
XYZ	76.8514, 85.8953, 51.5629
YIQ	234.9170, 24.2580, -21.1340

Conversions

Conversions Part 2

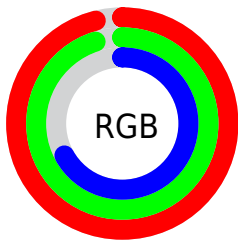
Format	Color
RYB	175, 245, 172
Decimal	16118444
CIELab	94.27, -9.48, 34.23
CIELCh	94, 35.514, 105.486
Yxy	85.8953, 0.3586, 0.4008
Android (android.graphics.Color)	4294308524 (0xFFFF5F2AC)
YUV	234.9170, -31.0181, 8.8428
Hunter-Lab	92.6797, -14.1746, 31.8895

Details

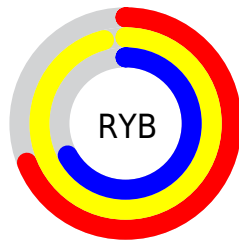
The Yxy color **85.8953, 0.3586, 0.4008** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.0178, 0.2604, 0.2454**, and the grayscale version is **83.2395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **47.1411, 0.3680, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **84.4500, 0.3738, 0.4242**, and if you desaturate by 10%, it is **87.5251, 0.3429, 0.3765**.

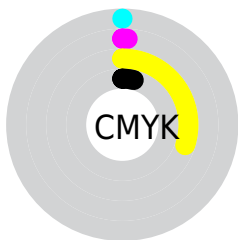
Distribution



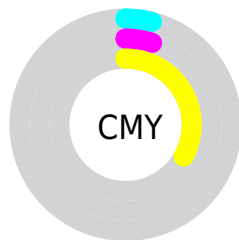
- Red (96%)
- Green (95%)
- Blue (67%)



- Red (69%)
- Yellow (96%)
- Blue (67%)



- Cyan (0%)
- Magenta (1%)
- Yellow (30%)
- Black (4%)





- Cyan (4%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8953, 0.3586, 0.4008 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 85.8953, 0.3586, 0.4008 by changing the saturation by 10% instead.


 85.8953, 0.3586,
0.4008

 85.8953, 0.3586,
0.4008


514.5859, 0.3386,
0.3682

 64.5814, 0.3628,
0.4080


 141.6234, 0.3519,
0.3897

 47.1217, 0.3678,
0.4167

176.8063, 0.3493,
0.3853

 33.1319, 0.3739,
0.4276


217.3811, 0.3469,
0.3815

 22.2275, 0.3812,
0.4413

263.7321, 0.3449,
0.3782

 14.0242, 0.3902,
0.4590

316.2437, 0.3430,
0.3753

 8.1375, 0.4010,
0.4826

375.3002, 0.3414,

 4.1830, 0.4160,

0.3727

0.5180

441.2862, 0.3399,
0.3703

■ 1.7765, 0.4311,
0.5689

■ 0.4724, 0.3153,
0.6847

■ 85.8953, 0.3586,
0.4008

■ 85.8953, 0.3586,
0.4008

■ 84.4500, 0.3738,
0.4242

■ 87.5251, 0.3429,
0.3765

■ 83.1680, 0.3881,
0.4458


■ 89.3366, 0.3274,
0.3522


■ 82.0428, 0.4007,
0.4646


■ 91.3420, 0.3124,
0.3285


■ 81.0626, 0.4111,
0.4797


■ 92.5444, 0.3068,
0.3202


 80.2142, 0.4189,
0.4904


 93.1536, 0.3068,
0.3212

 79.4815, 0.4239,
0.4968


 93.7660, 0.3067,
0.3222

 78.8389, 0.4267,
0.4993

 94.3818, 0.3067,
0.3232

 78.8256, 0.4267,
0.4994

 95.0008, 0.3067,
0.3241

 95.6231, 0.3067,
0.3251

Harmonies

Analogous

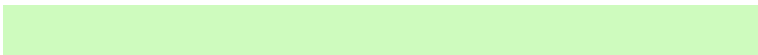
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8953, 0.3860, 0.3841



85.8953, 0.3586, 0.4008



85.8953, 0.3199, 0.3967

Triad

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



85.8953, 0.3586, 0.4008



85.8953, 0.2384, 0.2947



85.8953, 0.3426, 0.2923

Complementary

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



85.8953, 0.3586, 0.4008



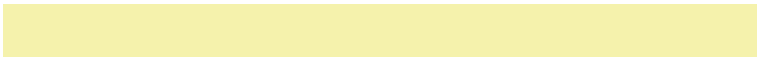
46.0178, 0.2604, 0.2454

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.



85.8953, 0.3013, 0.2713



85.8953, 0.3586, 0.4008



85.8953, 0.2433, 0.2709

Square

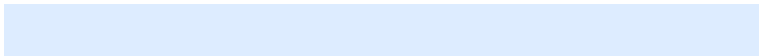
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8953, 0.3586, 0.4008



85.8953, 0.2515, 0.3312



85.8953, 0.2656, 0.2633



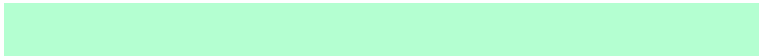
85.8953, 0.3771, 0.3221

Rectangle

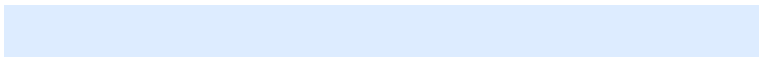
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8953, 0.3586, 0.4008



85.8953, 0.2932, 0.3811



85.8953, 0.2656, 0.2633



85.8953, 0.3289, 0.2841

Sweetspot

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



85.8992, 0.3586, 0.4008



98.0136, 0.3262, 0.3503



52.0400, 0.3763, 0.3252



20.9137, 0.3285, 0.3538



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.



85.8992, 0.3586, 0.4008



93.0671, 0.3683, 0.4157



82.2936, 0.3348, 0.4095



19.1909, 0.3270, 0.3514



42.5227, 0.4266, 0.4995



3.7727, 0.4256, 0.5003

Inverse Universe

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



46.0178, 0.2604, 0.2454



42.6439, 0.2474, 0.2244



49.0585, 0.2843, 0.2474



16.0349, 0.2979, 0.3055



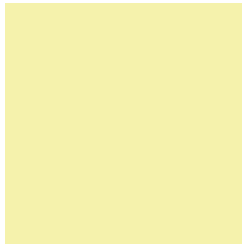
3.7163, 0.1507, 0.0625



0.3640, 0.1525, 0.0688

Previews

White Background



This preview shows how the Yxy color 85.8953, 0.3586, 0.4008 looks on a white background.

Color Contrast Check

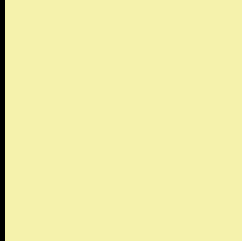
Large Text (above 18pt) WCAG AA × Fail

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 85.8953, 0.3586, 0.4008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

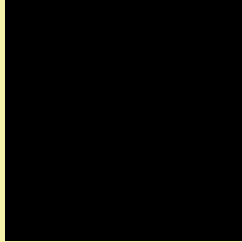
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8953, 0.3586, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 85.8953, 0.3586, 0.4008.

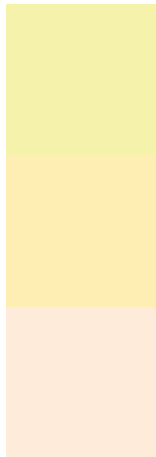


This preview shows how white text looks on a background with the Yxy color 85.8953, 0.3586, 0.4008.

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

85.8953, 0.3586, 0.4008

Protanopia

85.6637, 0.3625, 0.3884

Deuteranopia

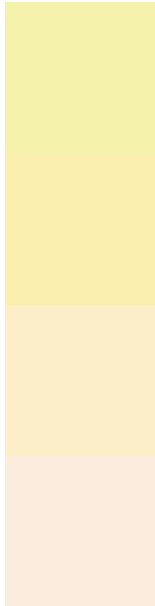
85.7386, 0.3374, 0.3460



Tritanopia

85.8754, 0.3169, 0.3115

Trichromacy



Original Color

85.8953, 0.3586, 0.4008

Protanomaly

85.3768, 0.3612, 0.3929

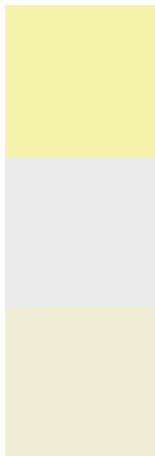
Deuteranomaly

85.8753, 0.3452, 0.3664

Tritanomaly

85.7741, 0.3318, 0.3431

Monochromacy



Original Color

85.8953, 0.3586, 0.4008

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.2533, 0.3297, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8953, 0.3586, 0.4008 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, 242, 172)` looks like.

```
.text, #text, p{  
    color:rgb(245, 242, 172)  
}
```

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, 242, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 242, 172) }
```

Border

The CSS property to change the border of an element to Yxy 85.8953, 0.3586, 0.4008 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, 242, 172) }
```

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

```
.border{ border-color:rgb(245, 242, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 242, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 242, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 242, 172);  
box-shadow:4px 4px 4px 4px rgb(245, 242,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8953, 0.3586, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 242, 172) }
```

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

```
.background{ background-color: rgb(245,  
242, 172) }
```

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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