

Converting Colors

$Yxy(85.6886, 0.3307, 0.3509)$

Have a look what the booklet for
Yxy(85.6886, 0.3307, 0.3509)
contains.

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Color

Yxy(85.5713, 0.3306, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	F5EED9
RGB	245, 238, 217
RGB Percent	96%, 93%, 85%
CMY	0.0395, 0.0666, 0.1490
CMYK	0.00, 0.03, 0.11, 0.04
HSL	45°, 58%, 91%
HSV	45°, 11%, 96%
XYZ	80.7359, 85.5713, 77.9031
YIQ	237.6990, 10.9130, -5.0470

Conversions

Conversions Part 2

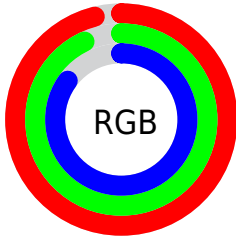
Format	Color
RYB	226, 245, 217
Decimal	16117465
CIELab	94.13, -1.16, 11.00
CIELCh	94, 11.059, 96.044
Yxy	85.5713, 0.3306, 0.3504
Android (android.graphics.Color)	4294307545 (0xFFFF5EED9)
YUV	237.6990, -10.2046, 6.4030
Hunter-Lab	92.5048, -6.0928, 14.8221

Details

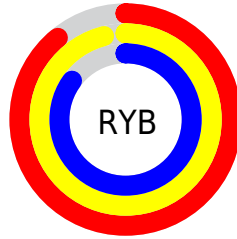
The Yxy color **85.5713, 0.3306, 0.3504** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.5950, 0.2948, 0.3067**, and the grayscale version is **85.3245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8833, 0.3351, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **80.9286, 0.3477, 0.3700**, and if you desaturate by 10%, it is **90.5291, 0.3148, 0.3316**.

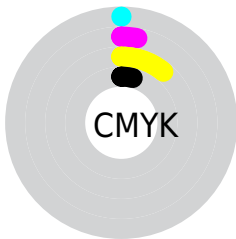
Distribution



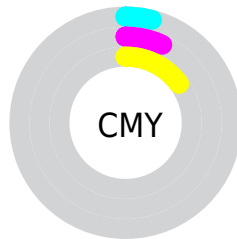
- Red (96%)
- Green (93%)
- Blue (85%)



- Red (89%)
- Yellow (96%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (4%)





- Cyan (4%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5713, 0.3306, 0.3504 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 85.5713, 0.3306, 0.3504 by changing the saturation by 10% instead.


 85.5713, 0.3306,
0.3504

 85.5713, 0.3306,
0.3504


513.5166, 0.3226,
0.3408

 64.3135, 0.3324,
0.3525


141.1711, 0.3279,
0.3471

 46.9047, 0.3345,
0.3552


176.2819, 0.3268,
0.3458

 32.9603, 0.3373,
0.3584


216.7792, 0.3258,
0.3447

 22.0960, 0.3407,
0.3627

263.0474, 0.3250,
0.3437

 13.9275, 0.3453,
0.3683

315.4708, 0.3243,
0.3428

 8.0702, 0.3517,
0.3761

374.4339, 0.3237,

 4.1399, 0.3611,

0.3421

0.3877

440.3210, 0.3231,
0.3414

■ 1.7521, 0.3763,
0.4068

■ 0.4571, 0.4704,
0.5296

■ 85.5713, 0.3306,
0.3504

■ 85.5713, 0.3306,
0.3504

■ 80.9286, 0.3477,
0.3700

■ 90.5291, 0.3148,
0.3316

■ 76.5804, 0.3658,
0.3897

■ 95.0719, 0.3066,
0.3243

■ 72.5202, 0.3846,
0.4090

■ 98.1398, 0.3065,
0.3290

■ 68.7371, 0.4035,
0.4269

■ 65.2195, 0.4218,
0.4424

■ 61.9541, 0.4385,
0.4544

■ 58.9261, 0.4529,
0.4619

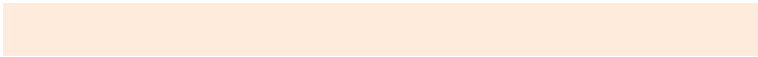
■ 56.1177, 0.4644,
0.4645

■ 53.8562, 0.4720,
0.4634

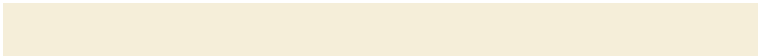
Harmonies

Analogous

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



85.5713, 0.3369, 0.3446



85.5713, 0.3306, 0.3504



85.5713, 0.3195, 0.3504

Triad

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



85.5713, 0.3306, 0.3504



85.5713, 0.2894, 0.3223



85.5713, 0.3183, 0.3144

Complementary

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



85.5713, 0.3306, 0.3504



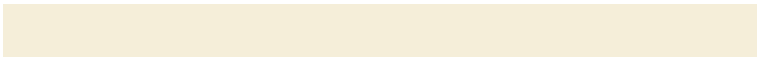
74.5950, 0.2948, 0.3067

Split Complementary

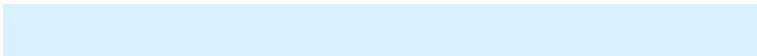
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5713, 0.3056, 0.3086



85.5713, 0.3306, 0.3504



85.5713, 0.2890, 0.3129

Square

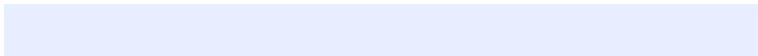
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5713, 0.3306, 0.3504



85.5713, 0.2958, 0.3339



85.5713, 0.2949, 0.3080



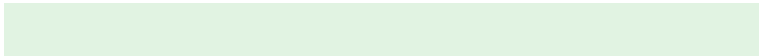
85.5713, 0.3298, 0.3239

Rectangle

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



85.5713, 0.3306, 0.3504



85.5713, 0.3110, 0.3469



85.5713, 0.2949, 0.3080



85.5713, 0.3141, 0.3120

Sweetspot

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



85.5751, 0.3306, 0.3504



98.3171, 0.3173, 0.3345



74.4039, 0.3283, 0.3219



20.9488, 0.3185, 0.3360



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.



85.5751, 0.3306, 0.3504



92.4118, 0.3350, 0.3555



88.4395, 0.3251, 0.3576



18.5795, 0.3275, 0.3467



29.2618, 0.4710, 0.4642



2.7325, 0.4631, 0.4705

Inverse Universe

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



74.5950, 0.2948, 0.3067



77.8792, 0.2904, 0.3011



72.0557, 0.2994, 0.2996



16.5917, 0.2979, 0.3106



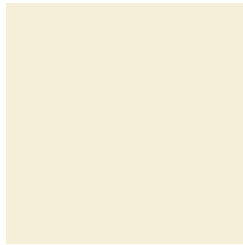
5.5045, 0.1578, 0.0882



0.6395, 0.1643, 0.1113

Previews

White Background



This preview shows how the Yxy color 85.5713, 0.3306, 0.3504 looks on a white background.

Color Contrast Check

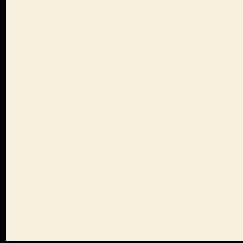
Large Text (above 18pt) WCAG AA × Fail

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 85.5713, 0.3306, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

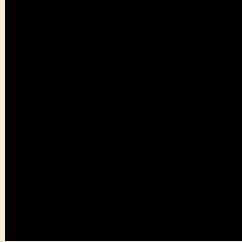
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

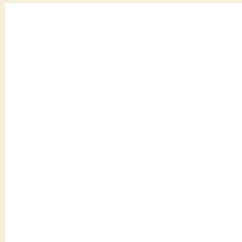
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5713, 0.3306, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 85.5713, 0.3306, 0.3504.

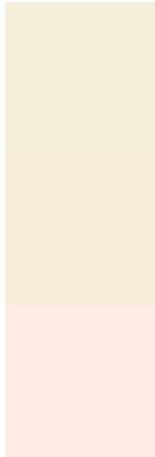


This preview shows how white text looks on a background with the Yxy color 85.5713, 0.3306, 0.3504.

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

85.5713, 0.3306, 0.3504

Protanopia

85.3523, 0.3322, 0.3493

Deuteranopia

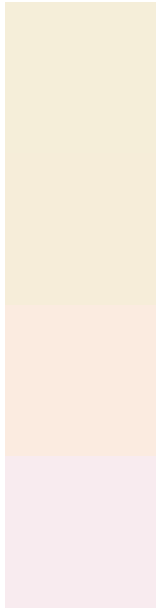
85.7071, 0.3309, 0.3350



Tritanopia

85.5669, 0.3129, 0.3114

Trichromacy



Original Color

85.5713, 0.3306, 0.3504

Protanomaly

85.1710, 0.3315, 0.3493

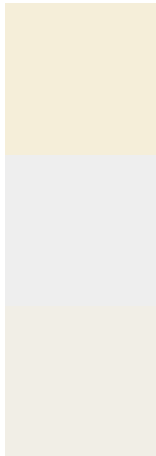
Deuteranomaly

85.3077, 0.3306, 0.3400

Tritanomaly

85.6051, 0.3190, 0.3250

Monochromacy



Original Color

85.5713, 0.3306, 0.3504

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5630, 0.3197, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5713, 0.3306, 0.3504 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, 238, 217)` looks like.

```
.text, #text, p{  
    color:rgb(245, 238, 217)  
}
```

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, 238, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 238, 217) }
```

Border

The CSS property to change the border of an element to Yxy 85.5713, 0.3306, 0.3504 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, 238, 217) }
```

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

```
.border{ border-color:rgb(245, 238, 217) }
```

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

Here you see how a box with a 4 pixel rgb(245, 238, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 238, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 238, 217);  
box-shadow:4px 4px 4px 4px rgb(245, 238,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5713, 0.3306, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 238, 217) }
```

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

```
.background{ background-color: rgb(245,  
238, 217) }
```

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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