

Converting Colors

$Y_{xy}(84.3352, 0.3535, 0.3702)$

Have a look what the booklet for
Yxy(84.3352, 0.3535, 0.3702)
contains.

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Color

Yxy(84.5717, 0.3533, 0.3703)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB2C
RGB	255, 235, 194
RGB Percent	100%, 92%, 76%
CMY	0.0000, 0.0784, 0.2391
CMYK	0.00, 0.08, 0.24, 0.00
HSL	40°, 100%, 88%
HSV	40°, 24%, 100%
XYZ	80.6891, 84.5717, 63.1262
YIQ	236.3060, 25.0810, -8.5110

Conversions

Conversions Part 2

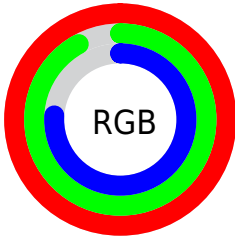
Format	Color
R _Y B	224, 255, 194
Decimal	16772034
CIE Lab	93.70, 0.60, 22.37
CIE LCh	94, 22.375, 88.464
Yxy	84.5717, 0.3533, 0.3703
Android (android.graphics.Color)	4294962114 (0xFFFFEBC2)
YUV	236.3060, -20.8569, 16.3946
Hunter-Lab	91.9629, -4.3174, 23.6755

Details

The Yxy color **84.5717, 0.3533, 0.3703** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.7994, 0.2736, 0.2839**, and the grayscale version is **84.2791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **46.1394, 0.3628, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **78.8484, 0.3728, 0.3882**, and if you desaturate by 10%, it is **90.7232, 0.3352, 0.3526**.

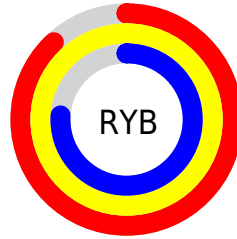
Distribution



Red (100%)

Green (92%)

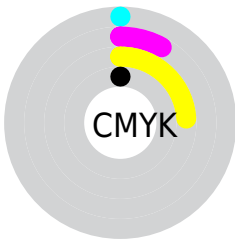
Blue (76%)



Red (88%)

Yellow (100%)

Blue (76%)

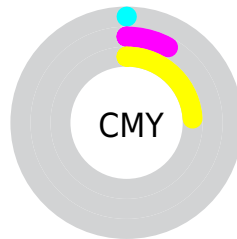


Cyan (0%)

Magenta (8%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5717, 0.3533, 0.3703 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 84.5717, 0.3533, 0.3703 by changing the saturation by 10% instead.

 84.5717, 0.3533,
0.3703

 84.5717, 0.3533,
0.3703

510.2098, 0.3351,
0.3518

 63.4875, 0.3573,
0.3744


 139.7746, 0.3471,
0.3640

 46.2357, 0.3622,
0.3793


174.6622, 0.3446,
0.3615

 32.4319, 0.3683,
0.3854


214.9197, 0.3425,
0.3594

 21.6916, 0.3760,
0.3932

260.9315, 0.3407,
0.3575

 13.6305, 0.3861,
0.4034

313.0820, 0.3390,
0.3558

 7.8641, 0.3997,
0.4170

371.7556, 0.3376,

 4.0081, 0.4189,

0.3543

0.4362

437.3367, 0.3362,
0.3530

■ 1.6781, 0.4781,
0.4960

■ 0.4094, 0.4965,
0.5035

■ 84.5717, 0.3533,
0.3703

■ 84.5717, 0.3533,
0.3703

■ 78.8484, 0.3728,
0.3882

■ 90.7232, 0.3352,
0.3526

■ 73.5305, 0.3935,
0.4056

■ 97.3056, 0.3187,
0.3354

■ 68.6073, 0.4147,
0.4214

100.0000, 0.3127,
0.3290

■ 64.0635, 0.4356,
0.4347

■ 59.8823, 0.4551,
0.4443

■ 56.0445, 0.4723,
0.4490

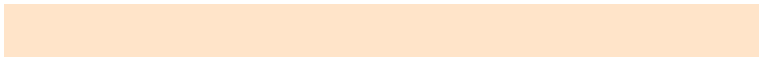
■ 52.5276, 0.4864,
0.4486

■ 50.5248, 0.4936,
0.4463

Harmonies

Analogous

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



84.5717, 0.3634, 0.3553



84.5717, 0.3533, 0.3703



84.5717, 0.3323, 0.3744

Triad

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



84.5717, 0.3533, 0.3703



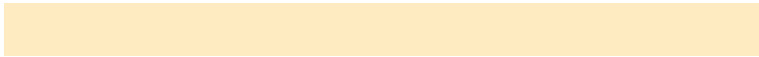
84.5717, 0.2682, 0.3205



84.5717, 0.3172, 0.2964

Complementary

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



84.5717, 0.3533, 0.3703



66.7994, 0.2736, 0.2839

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.



84.5717, 0.2919, 0.2872



84.5717, 0.3533, 0.3703



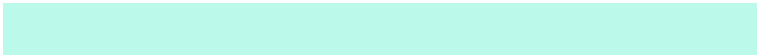
84.5717, 0.2644, 0.2999

Square

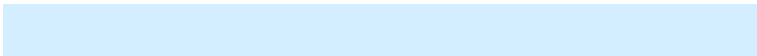
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5717, 0.3533, 0.3703



84.5717, 0.2834, 0.3448



84.5717, 0.2729, 0.2882



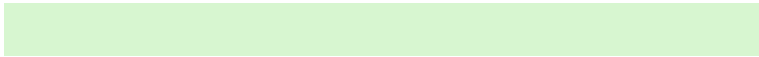
84.5717, 0.3422, 0.3134

Rectangle

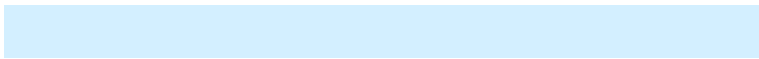
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5717, 0.3533, 0.3703



84.5717, 0.3153, 0.3697



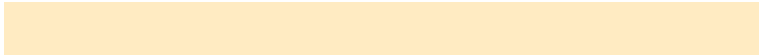
84.5717, 0.2729, 0.2882



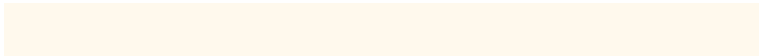
84.5717, 0.3084, 0.2923

Sweetspot

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



84.5749, 0.3533, 0.3703



95.2247, 0.3236, 0.3406



64.7296, 0.3463, 0.3083



20.2960, 0.3246, 0.3417



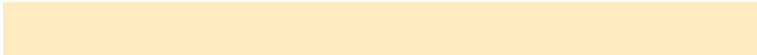
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

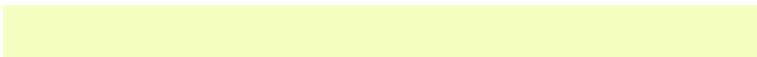
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5749, 0.3533, 0.3703



81.6083, 0.3631, 0.3794



94.7997, 0.3422, 0.3903



20.0276, 0.3277, 0.3449



26.6846, 0.4920, 0.4475



2.7979, 0.4816, 0.4558

Inverse Universe

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



66.7994, 0.2736, 0.2839



60.8578, 0.2645, 0.2728



58.6809, 0.2786, 0.2624



18.3507, 0.2979, 0.3126



7.2972, 0.1628, 0.1061



0.9003, 0.1690, 0.1284

Previews

White Background



This preview shows how the Yxy color 84.5717, 0.3533, 0.3703 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 84.5717, 0.3533, 0.3703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

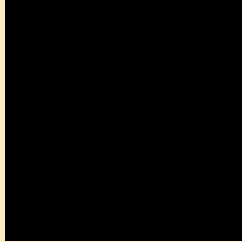
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5717, 0.3533, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 84.5717, 0.3533, 0.3703.

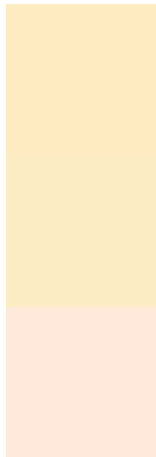


This preview shows how white text looks on a background with the Yxy color 84.5717, 0.3533, 0.3703.

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

84.5717, 0.3533, 0.3703

Protanopia

84.4403, 0.3496, 0.3707

Deuteranopia

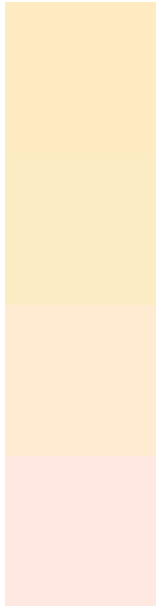
84.6523, 0.3370, 0.3430



Tritanopia

84.3247, 0.3215, 0.3163

Trichromacy



Original Color

84.5717, 0.3533, 0.3703

Protanomaly

84.6265, 0.3503, 0.3706

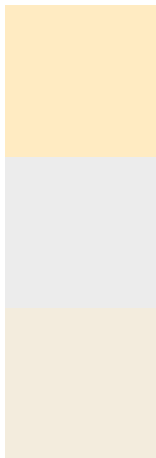
Deuteranomaly

84.7588, 0.3428, 0.3531

Tritanomaly

84.4095, 0.3331, 0.3360

Monochromacy



Original Color

84.5717, 0.3533, 0.3703

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.2660, 0.3269, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5717, 0.3533, 0.3703 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(255, 235, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 194)  
}
```

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(255, 235, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 194) }
```

Border

The CSS property to change the border of an element to Yxy 84.5717, 0.3533, 0.3703 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(255, 235, 194) }
```

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

```
.border{ border-color:rgb(255, 235, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5717, 0.3533, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 194) }
```

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

```
.background{ background-color: rgb(255,  
235, 194) }
```

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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