

Converting Colors

$Y_{xy}(84.1272, 0.3538, 0.3702)$

Have a look what the booklet for
Yxy(84.1272, 0.3538, 0.3702)
contains.

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Color

Yxy(83.9559, 0.3542, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAC1
RGB	255, 234, 193
RGB Percent	100%, 92%, 76%
CMY	0.0001, 0.0823, 0.2431
CMYK	0.00, 0.08, 0.24, 0.00
HSL	40°, 100%, 88%
HSV	40°, 24%, 100%
XYZ	80.2840, 83.9559, 62.4229
YIQ	235.6050, 25.6770, -8.2990

Conversions

Conversions Part 2

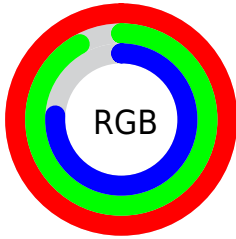
Format	Color
R _Y B	225, 255, 193
Decimal	16771777
CIE Lab	93.43, 0.96, 22.53
CIE LCh	93, 22.548, 87.569
Yxy	83.9559, 0.3542, 0.3704
Android (android.graphics.Color)	4294961857 (0xFFFFEAC1)
YUV	235.6050, -21.0043, 17.0094
Hunter-Lab	91.6275, -3.9464, 23.7468

Details

The Yxy color **83.9559, 0.3542, 0.3704** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.6346, 0.2729, 0.2838**, and the grayscale version is **83.7127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **45.7106, 0.3640, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **78.1242, 0.3740, 0.3881**, and if you desaturate by 10%, it is **90.2306, 0.3359, 0.3529**.

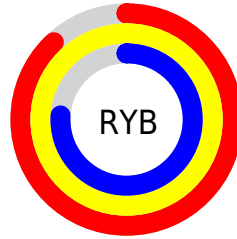
Distribution



Red (100%)

Green (92%)

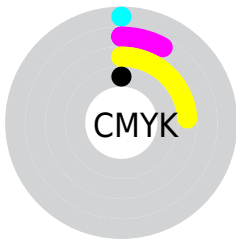
Blue (76%)



Red (88%)

Yellow (100%)

Blue (76%)

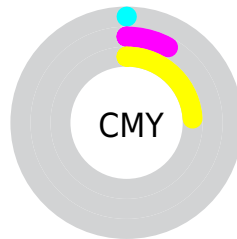


Cyan (0%)

Magenta (8%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9559, 0.3542, 0.3704 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 83.9559, 0.3542, 0.3704 by changing the saturation by 10% instead.


 83.9559, 0.3542,
0.3704

 83.9559, 0.3542,
0.3704


508.1668, 0.3355,
0.3518

 62.9790, 0.3583,
0.3745


 138.9135, 0.3478,
0.3641

 45.8242, 0.3633,
0.3794

173.6630, 0.3453,
0.3616

 32.1071, 0.3696,
0.3856


213.7722, 0.3432,
0.3594

 21.4434, 0.3775,
0.3934

259.6254, 0.3412,
0.3575

 13.4485, 0.3879,
0.4035

311.6071, 0.3396,
0.3559

 7.7381, 0.4019,
0.4172

370.1016, 0.3381,

 3.9278, 0.4217,

0.3544

0.4363

435.4934, 0.3367,
0.3530

■ 1.6333, 0.4863,
0.5002

■ 0.3799, 0.5030,
0.4970

■ 83.9559, 0.3542,
0.3704

■ 83.9559, 0.3542,
0.3704

■ 78.1242, 0.3740,
0.3881

■ 90.2306, 0.3359,
0.3529

■ 72.7107, 0.3949,
0.4051

■ 96.9496, 0.3194,
0.3360

■ 67.7048, 0.4164,
0.4207

99.9973, 0.3127,
0.3290

■ 63.0908, 0.4376,
0.4337

■ 58.8516, 0.4576,
0.4429

■ 54.9676, 0.4751,
0.4472

■ 51.4156, 0.4895,
0.4464

■ 49.5258, 0.4964,
0.4440

Harmonies

Analogous

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



83.9559, 0.3640, 0.3550



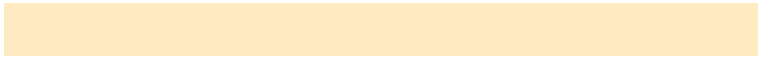
83.9559, 0.3542, 0.3704



83.9559, 0.3333, 0.3750

Triad

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



83.9559, 0.3542, 0.3704



83.9559, 0.2680, 0.3211



83.9559, 0.3164, 0.2957

Complementary

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



83.9559, 0.3542, 0.3704



66.6346, 0.2729, 0.2838

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.



83.9559, 0.2910, 0.2867



83.9559, 0.3542, 0.3704



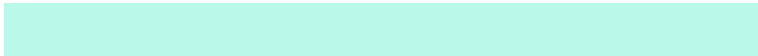
83.9559, 0.2639, 0.3001

Square

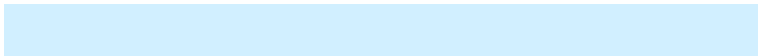
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9559, 0.3542, 0.3704



83.9559, 0.2837, 0.3457



83.9559, 0.2721, 0.2880



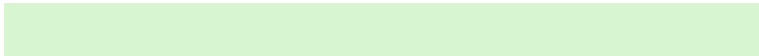
83.9559, 0.3418, 0.3126

Rectangle

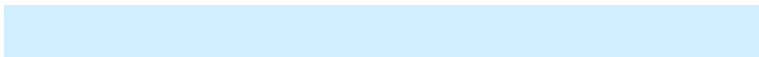
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9559, 0.3542, 0.3704



83.9559, 0.3161, 0.3704



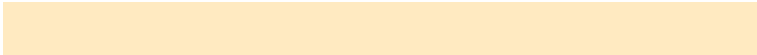
83.9559, 0.2721, 0.2880



83.9559, 0.3076, 0.2917

Sweetspot

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



83.9597, 0.3542, 0.3704



95.1101, 0.3236, 0.3405



64.2864, 0.3462, 0.3069



20.2695, 0.3246, 0.3415



0.0000, 0.0000, 0.0000



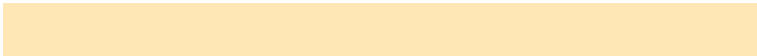
21.4041, 0.3127, 0.3290

Same Dimension

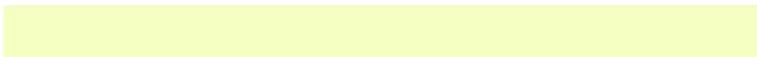
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9597, 0.3542, 0.3704



81.1802, 0.3633, 0.3787



94.8972, 0.3433, 0.3912



19.9947, 0.3278, 0.3447



26.1691, 0.4948, 0.4453



2.7504, 0.4840, 0.4539

Inverse Universe

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



66.6346, 0.2729, 0.2838



61.2266, 0.2646, 0.2737



57.9555, 0.2772, 0.2610



18.3822, 0.2979, 0.3128



7.5199, 0.1636, 0.1088



0.9248, 0.1698, 0.1312

Previews

White Background



This preview shows how the Yxy color 83.9559, 0.3542, 0.3704 looks on a white background.

Color Contrast Check

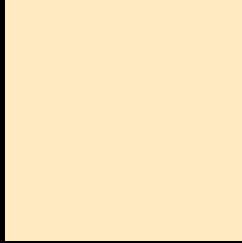
Large Text (above 18pt) WCAG AA × Fail

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 83.9559, 0.3542, 0.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

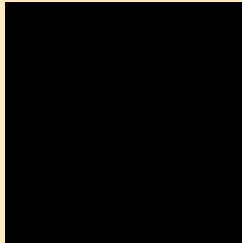
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9559, 0.3542, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 83.9559, 0.3542, 0.3704.



This preview shows how white text looks on a background with the Yxy color 83.9559, 0.3542, 0.3704.

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

83.9559, 0.3542, 0.3704

Protanopia

84.2099, 0.3495, 0.3718

Deuteranopia

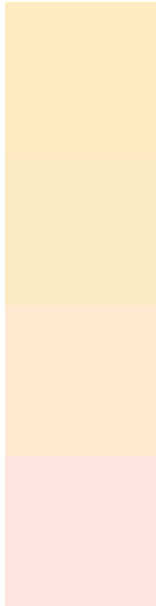
83.9830, 0.3385, 0.3440



Tritanopia

83.7094, 0.3222, 0.3163

Trichromacy



Original Color

83.9559, 0.3542, 0.3704

Protanomaly

84.0072, 0.3512, 0.3706

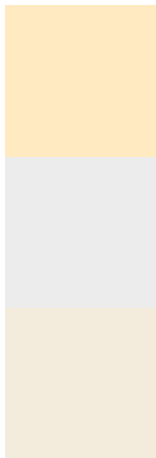
Deuteranomaly

84.0919, 0.3443, 0.3541

Tritanomaly

83.7936, 0.3339, 0.3360

Monochromacy



Original Color

83.9559, 0.3542, 0.3704

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.6387, 0.3277, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9559, 0.3542, 0.3704 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, 234, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 193)  
}
```

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, 234, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 193) }
```

Border

The CSS property to change the border of an element to Yxy 83.9559, 0.3542, 0.3704 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, 234, 193) }
```

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

```
.border{ border-color:rgb(255, 234, 193) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9559, 0.3542, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 193) }
```

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

```
.background{ background-color: rgb(255,  
234, 193) }
```

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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