

Converting Colors

$Y_{xy}(100.0000, 0.4241, 0.3867)$

Have a look what the booklet for
Yxy(100.0000, 0.4241, 0.3867)
contains.

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Color

Yxy(83.3933, 0.3724, 0.3995)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFEBA5 |
| RGB | 255, 235, 165 |
| RGB Percent | 100%, 92%, 65% |
| CMY | 0.0001, 0.0784, 0.3528 |
| CMYK | 0.00, 0.08, 0.35, 0.00 |
| HSL | 47°, 100%, 82% |
| HSV | 47°, 35%, 100% |
| XYZ | 77.7363, 83.3933, 47.6145 |
| YIQ | 233.0000, 34.3900, -17.5300 |

Conversions

Conversions Part 2

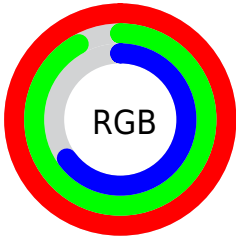
| Format | Color |
|-------------------------------------|---|
| RYB | 191, 255, 165 |
| Decimal | 16772005 |
| CIELab | 93.19, -3.04, 36.45 |
| CIElCh | 93, 36.573, 94.769 |
| Yxy | 83.3933, 0.3724, 0.3995 |
| Android (android.graphics.Color) | 4294962085 (0xFFFFEBA5) |
| YUV | 233.0000, -33.5240, 19.2940 |
| Hunter-Lab | 91.3199, -7.8613, 33.0099 |

Details

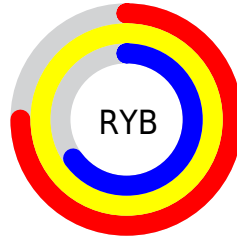
The Yxy color **83.3933, 0.3724, 0.3995** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.9222, 0.2516, 0.2467**, and the grayscale version is **81.7259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **45.2804, 0.3853, 0.4146** is the 20% darker color. If you saturate the color by 10%, you get **79.3690, 0.3908, 0.4189**, and if you desaturate by 10%, it is **87.7135, 0.3543, 0.3792**.

Distribution



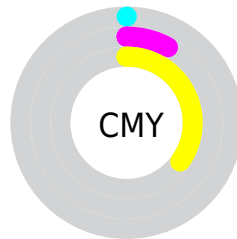
- Red (100%)
- Green (92%)
- Blue (65%)



- Red (75%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (8%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3933, 0.3724, 0.3995 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 83.3933, 0.3724, 0.3995 by changing the saturation by 10% instead.

 83.3933, 0.3724,
0.3995

 83.3933, 0.3724,
0.3995


506.2964, 0.3460,
0.3679

 62.5147, 0.3781,
0.4064


 138.1262, 0.3635,
0.3888

 45.4487, 0.3848,
0.4146


 172.7492, 0.3600,
0.3846

 31.8110, 0.3930,
0.4248


212.7225, 0.3569,
0.3809

 21.2172, 0.4031,
0.4374

258.4304, 0.3542,
0.3776

 13.2828, 0.4156,
0.4533

310.2573, 0.3518,
0.3748

 7.6236, 0.4309,
0.4735

368.5877, 0.3496,

 3.8551, 0.4583,

0.3722

0.5091

433.8059, 0.3477,
0.3700

■ 1.5928, 0.4690,
0.5310

■ 0.3527, 0.4253,
0.5747

■ 83.3933, 0.3724,
0.3995

■ 83.3933, 0.3724,
0.3995

■ 79.3690, 0.3908,
0.4189

■ 87.7135, 0.3543,
0.3792

■ 75.6171, 0.4089,
0.4364

■ 92.3292, 0.3370,
0.3589

■ 72.1282, 0.4258,
0.4511

■ 97.2546, 0.3208,
0.3391

■ 68.8876, 0.4408,
0.4617

99.9957, 0.3127,
0.3290

■ 65.8782, 0.4531,
0.4677

■ 63.0790, 0.4624,
0.4689

■ 61.8152, 0.4659,
0.4682

Harmonies

Analogous

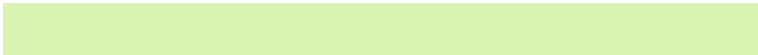
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3933, 0.3943, 0.3762



83.3933, 0.3724, 0.3995



83.3933, 0.3351, 0.4039

Triad

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



83.3933, 0.3724, 0.3995



83.3933, 0.2383, 0.3056



83.3933, 0.3285, 0.2819

Complementary

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



83.3933, 0.3724, 0.3995



49.9222, 0.2516, 0.2467

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.



83.3933, 0.2864, 0.2645



83.3933, 0.3724, 0.3995



83.3933, 0.2367, 0.2756

Square

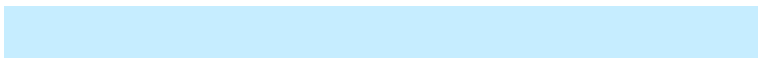
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3933, 0.3724, 0.3995



83.3933, 0.2584, 0.3462



83.3933, 0.2536, 0.2617



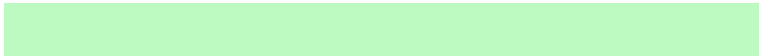
83.3933, 0.3685, 0.3100

Rectangle

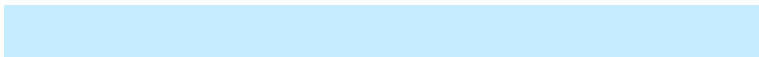
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3933, 0.3724, 0.3995



83.3933, 0.3070, 0.3932



83.3933, 0.2536, 0.2617



83.3933, 0.3140, 0.2747

Sweetspot

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



83.3971, 0.3724, 0.3995



94.4145, 0.3299, 0.3503



51.7265, 0.3775, 0.3072



20.0669, 0.3321, 0.3530



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

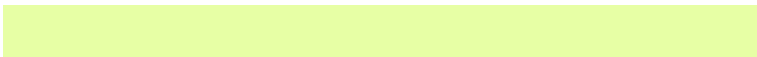
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3971, 0.3724, 0.3995



80.6727, 0.3848, 0.4127



91.2113, 0.3496, 0.4224



20.3663, 0.3275, 0.3474



32.5386, 0.4650, 0.4690



3.3286, 0.4587, 0.4740

Inverse Universe

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



49.9222, 0.2516, 0.2467



42.8882, 0.2386, 0.2277



44.9649, 0.2652, 0.2271



18.0315, 0.2979, 0.3099



5.4611, 0.1564, 0.0831



0.6855, 0.1620, 0.1031

Previews

White Background



This preview shows how the Yxy color 83.3933, 0.3724, 0.3995 looks on a white background.

Color Contrast Check

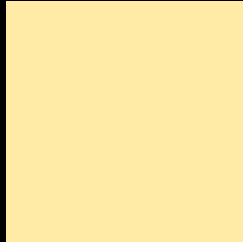
Large Text (above 18pt) WCAG AA × Fail

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 83.3933, 0.3724, 0.3995 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 83.3933, 0.3724, 0.3995

Background



This preview shows how black text looks on a background with the Yxy color 83.3933, 0.3724, 0.3995.



This preview shows how white text looks on a background with the Yxy color 83.3933, 0.3724, 0.3995.

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

83.3933, 0.3724, 0.3995

Protanopia

83.2041, 0.3717, 0.3997

Deuteranopia

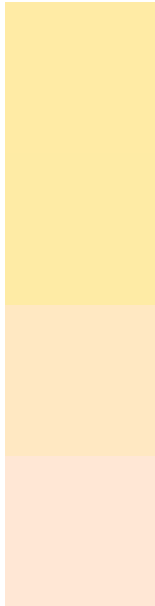
83.1150, 0.3427, 0.3491



Tritanopia

83.5899, 0.3236, 0.3182

Trichromacy



Original Color

83.3933, 0.3724, 0.3995

Protanomaly

83.2041, 0.3717, 0.3997

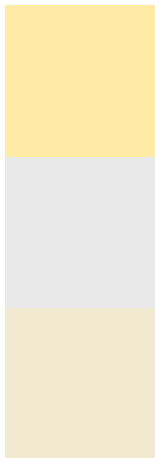
Deuteranomaly

82.8683, 0.3540, 0.3674

Tritanomaly

83.2159, 0.3413, 0.3471

Monochromacy



Original Color

83.3933, 0.3724, 0.3995

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1005, 0.3342, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3933, 0.3724, 0.3995 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 165) }
```

Border

The CSS property to change the border of an element to Yxy 83.3933, 0.3724, 0.3995 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, 165) }
```

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

```
.border{ border-color:rgb(255, 235, 165) }
```

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, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3933, 0.3724, 0.3995 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, 165) }
```

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

```
.background{ background-color: rgb(255,  
235, 165) }
```

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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