

Converting Colors

$Y_{xy}(100.0000, 0.4018, 0.3661)$

Have a look what the booklet for
Yxy(100.0000, 0.4018, 0.3661)
contains.

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Color

Yxy(85.0567, 0.3544, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	FFECC0
RGB	255, 236, 192
RGB Percent	100%, 93%, 75%
CMY	0.0000, 0.0745, 0.2470
CMYK	0.00, 0.07, 0.25, 0.00
HSL	42°, 100%, 88%
HSV	42°, 25%, 100%
XYZ	80.7503, 85.0567, 62.0438
YIQ	236.6650, 25.4480, -9.6560

Conversions

Conversions Part 2

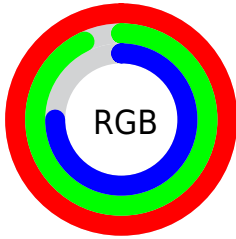
Format	Color
R_{YB}	219, 255, 192
Decimal	16772288
CIE Lab	93.91, -0.18, 23.69
CIE LCh	94, 23.687, 90.442
Yxy	85.0567, 0.3544, 0.3733
Android (android.graphics.Color)	4294962368 (0xFFFFECC0)
YUV	236.6650, -22.0198, 16.0798
Hunter-Lab	92.2262, -5.1069, 24.6719

Details

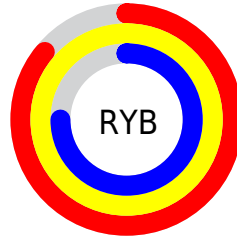
The Yxy color **85.0567, 0.3544, 0.3733** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.0241, 0.2720, 0.2803**, and the grayscale version is **84.5780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **46.4833, 0.3642, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **79.6931, 0.3736, 0.3918**, and if you desaturate by 10%, it is **90.8145, 0.3364, 0.3549**.

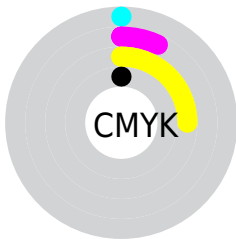
Distribution



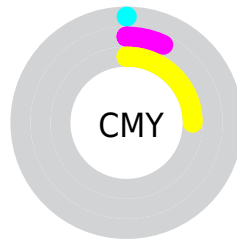
- Red (100%)
- Green (93%)
- Blue (75%)



- Red (86%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (7%)
- Yellow (25%)
- Black (0%)



- Cyan (0%)
- Magenta (7%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0567, 0.3544, 0.3733 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 85.0567, 0.3544, 0.3733 by changing the saturation by 10% instead.

85.0567, 0.3544,
0.3733

85.0567, 0.3544,
0.3733

511.8157, 0.3357,
0.3534

63.8882, 0.3585,
0.3777

140.4524, 0.3480,
0.3665

46.5602, 0.3635,
0.3830

175.4484, 0.3455,
0.3639

32.6881, 0.3696,
0.3895

215.8224, 0.3434,
0.3616

21.8876, 0.3775,
0.3978

261.9587, 0.3415,
0.3595

13.7743, 0.3876,
0.4087

314.2418, 0.3398,
0.3577

7.9639, 0.4013,
0.4233

373.0561, 0.3383,

4.0718, 0.4203,

0.3562

0.4436

438.7859, 0.3369,
0.3547

■ 1.7138, 0.4833,
0.5106

■ 0.4326, 0.4846,
0.5154

■ 85.0567, 0.3544,
0.3733

■ 85.0567, 0.3544,
0.3733

■ 79.6931, 0.3736,
0.3918

■ 90.8145, 0.3364,
0.3549

■ 74.6997, 0.3938,
0.4097

■ 96.9665, 0.3199,
0.3371

■ 70.0668, 0.4142,
0.4259

99.9990, 0.3127,
0.3290

■ 65.7800, 0.4340,
0.4394

■ 61.8229, 0.4523,
0.4490

■ 58.1770, 0.4681,
0.4540

■ 54.8202, 0.4807,
0.4537

■ 53.1409, 0.4864,
0.4520

Harmonies

Analogous

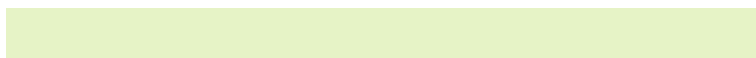
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0567, 0.3661, 0.3580



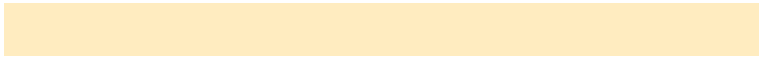
85.0567, 0.3544, 0.3733



85.0567, 0.3317, 0.3769

Triad

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



85.0567, 0.3544, 0.3733



85.0567, 0.2651, 0.3183



85.0567, 0.3192, 0.2956

Complementary

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



85.0567, 0.3544, 0.3733



65.0241, 0.2720, 0.2803

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.



85.0567, 0.2923, 0.2853



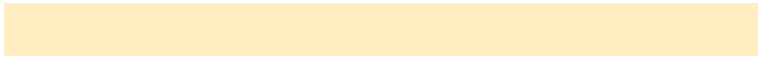
85.0567, 0.3544, 0.3733



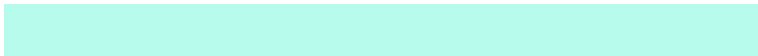
85.0567, 0.2620, 0.2971

Square

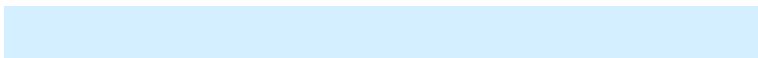
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0567, 0.3544, 0.3733



85.0567, 0.2803, 0.3440



85.0567, 0.2717, 0.2856



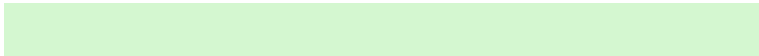
85.0567, 0.3454, 0.3139

Rectangle

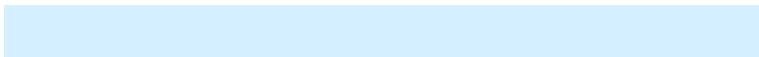
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0567, 0.3544, 0.3733



85.0567, 0.3136, 0.3712



85.0567, 0.2717, 0.2856



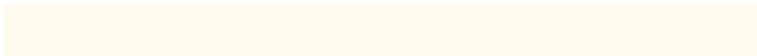
85.0567, 0.3100, 0.2911

Sweetspot

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



85.0605, 0.3544, 0.3733



95.5169, 0.3236, 0.3411



63.7207, 0.3486, 0.3086



20.3638, 0.3246, 0.3422



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.



85.0605, 0.3544, 0.3733



82.1695, 0.3645, 0.3832



94.4584, 0.3424, 0.3926



20.1116, 0.3277, 0.3455



28.0432, 0.4850, 0.4531



2.9225, 0.4757, 0.4605

Inverse Universe

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



65.0241, 0.2720, 0.2803



58.7828, 0.2625, 0.2681



57.7062, 0.2780, 0.2601



18.2707, 0.2979, 0.3119



6.7655, 0.1610, 0.0997



0.8407, 0.1671, 0.1217

Previews

White Background



This preview shows how the Yxy color 85.0567, 0.3544, 0.3733 looks on a white background.

Color Contrast Check

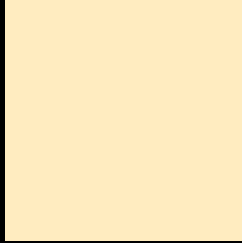
Large Text (above 18pt) WCAG AA × Fail

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 85.0567, 0.3544, 0.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

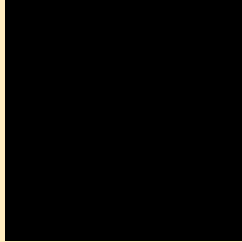
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0567, 0.3544, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 85.0567, 0.3544, 0.3733.



This preview shows how white text looks on a background with the Yxy color 85.0567, 0.3544, 0.3733.

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

85.0567, 0.3544, 0.3733

Protanopia

85.1141, 0.3514, 0.3736

Deuteranopia

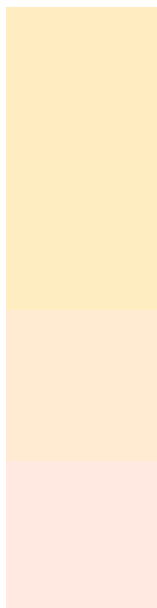
85.2729, 0.3362, 0.3430



Tritanopia

84.9435, 0.3208, 0.3163

Trichromacy



Original Color

85.0567, 0.3544, 0.3733

Protanomaly

85.3013, 0.3521, 0.3735

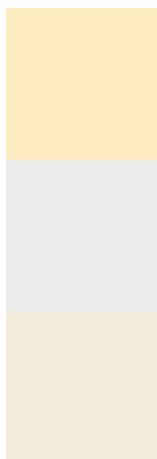
Deuteranomaly

85.3298, 0.3427, 0.3541

Tritanomaly

84.9741, 0.3330, 0.3370

Monochromacy



Original Color

85.0567, 0.3544, 0.3733

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.0219, 0.3275, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0567, 0.3544, 0.3733 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, 236, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 192)  
}
```

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, 236, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 192) }
```

Border

The CSS property to change the border of an element to Yxy 85.0567, 0.3544, 0.3733 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, 236, 192) }
```

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

```
.border{ border-color:rgb(255, 236, 192) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0567, 0.3544, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 192) }
```

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

```
.background{ background-color: rgb(255,  
236, 192) }
```

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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