

Converting Colors

$Y_{xy}(100.0000, 0.3996, 0.3710)$

Have a look what the booklet for
Yxy(100.0000, 0.3996, 0.3710)
contains.

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Color

Yxy(86.0832, 0.3559, 0.3783)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEBD
RGB	255, 238, 189
RGB Percent	100%, 93%, 74%
CMY	0.0002, 0.0666, 0.2589
CMYK	0.00, 0.07, 0.26, 0.00
HSL	45°, 100%, 87%
HSV	45°, 26%, 100%
XYZ	80.9860, 86.0832, 60.4835
YIQ	237.4970, 25.8610, -11.6350

Conversions

Conversions Part 2

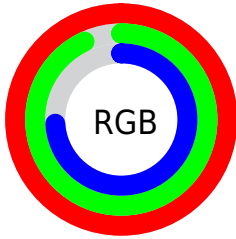
Format	Color
R_{YB}	212, 255, 189
Decimal	16772797
CIE Lab	94.35, -1.62, 25.85
CIE LCh	94, 25.898, 93.588
Yxy	86.0832, 0.3559, 0.3783
Android (android.graphics.Color)	4294962877 (0xFFFFEEBD)
YUV	237.4970, -23.9090, 15.3501
Hunter-Lab	92.7810, -6.5591, 26.2959

Details

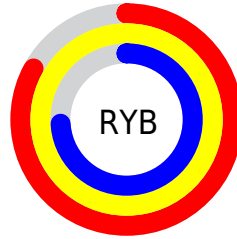
The Yxy color **86.0832, 0.3559, 0.3783** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.1384, 0.2696, 0.2743**, and the grayscale version is **85.2619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **47.2109, 0.3660, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **81.3334, 0.3746, 0.3978**, and if you desaturate by 10%, it is **91.1739, 0.3382, 0.3588**.

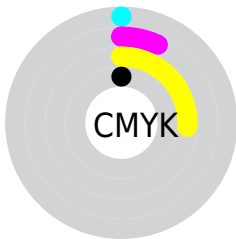
Distribution



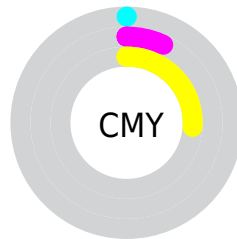
- Red (100%)
- Green (93%)
- Blue (74%)



- Red (83%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (7%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0832, 0.3559, 0.3783 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 86.0832, 0.3559, 0.3783 by changing the saturation by 10% instead.

 86.0832, 0.3559,
0.3783

 86.0832, 0.3559,
0.3783


515.2055, 0.3367,
0.3562

 64.7368, 0.3601,
0.3832


 141.8856, 0.3494,
0.3708

 47.2477, 0.3652,
0.3890


177.1103, 0.3468,
0.3678

 33.2315, 0.3714,
0.3963


217.7300, 0.3446,
0.3652

 22.3038, 0.3793,
0.4055

264.1289, 0.3426,
0.3630

 14.0803, 0.3895,
0.4175

316.6916, 0.3408,
0.3610

 8.1766, 0.4029,
0.4336

375.8023, 0.3393,

 4.2081, 0.4211,

0.3592

0.4557

441.8455, 0.3379,
0.3576

■ 1.7907, 0.4780,
0.5220

■ 0.4813, 0.4647,
0.5353

■ 86.0832, 0.3559,
0.3783

■ 86.0832, 0.3559,
0.3783

■ 81.3334, 0.3746,
0.3978

■ 91.1739, 0.3382,
0.3588

■ 76.9012, 0.3938,
0.4164

■ 96.6047, 0.3217,
0.3398

■ 72.7780, 0.4128,
0.4332

99.9913, 0.3127,
0.3290

■ 68.9498, 0.4309,
0.4471

■ 65.4013, 0.4470,
0.4570

■ 62.1146, 0.4606,
0.4621

■ 59.0680, 0.4710,
0.4623

■ 57.8682, 0.4746,
0.4614

Harmonies

Analogous

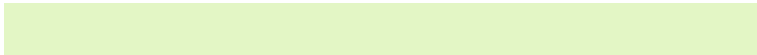
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0832, 0.3702, 0.3625



86.0832, 0.3559, 0.3783



86.0832, 0.3302, 0.3808

Triad

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



86.0832, 0.3559, 0.3783



86.0832, 0.2600, 0.3144



86.0832, 0.3229, 0.2945

Complementary

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



86.0832, 0.3559, 0.3783



62.1384, 0.2696, 0.2743

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.



86.0832, 0.2933, 0.2823



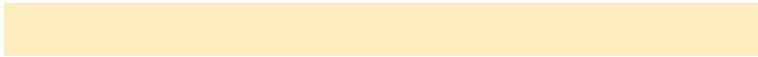
86.0832, 0.3559, 0.3783



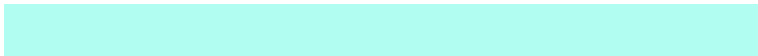
86.0832, 0.2582, 0.2923

Square

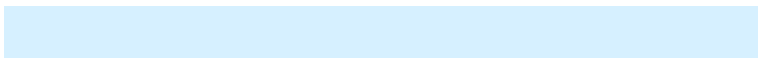
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.0832, 0.3559, 0.3783



86.0832, 0.2752, 0.3424



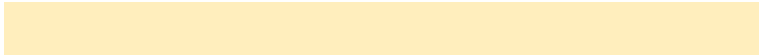
86.0832, 0.2700, 0.2812



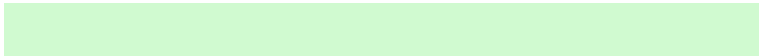
86.0832, 0.3508, 0.3149

Rectangle

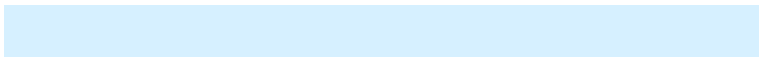
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.0832, 0.3559, 0.3783



86.0832, 0.3104, 0.3736



86.0832, 0.2700, 0.2812



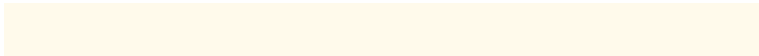
86.0832, 0.3128, 0.2894

Sweetspot

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



86.0871, 0.3559, 0.3783



95.4596, 0.3251, 0.3437



62.1259, 0.3535, 0.3110



20.2549, 0.3276, 0.3466



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

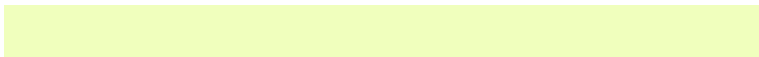
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0871, 0.3559, 0.3783



83.6434, 0.3654, 0.3883



93.6131, 0.3416, 0.3962



20.2549, 0.3276, 0.3466



30.5029, 0.4735, 0.4622



3.1457, 0.4659, 0.4682

Inverse Universe

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



62.1384, 0.2696, 0.2743



56.0325, 0.2601, 0.2615



56.4983, 0.2784, 0.2568



18.1355, 0.2979, 0.3108



5.9767, 0.1583, 0.0898



0.7487, 0.1641, 0.1108

Previews

White Background



This preview shows how the Yxy color 86.0832, 0.3559, 0.3783 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 86.0832, 0.3559, 0.3783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

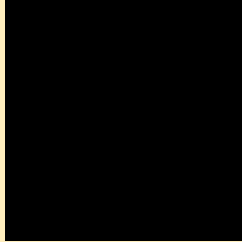
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.0832, 0.3559, 0.3783

Background



This preview shows how black text looks on a background with the Yxy color 86.0832, 0.3559, 0.3783.



This preview shows how white text looks on a background with the Yxy color 86.0832, 0.3559, 0.3783.

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

86.0832, 0.3559, 0.3783

Protanopia

85.8940, 0.3552, 0.3784

Deuteranopia

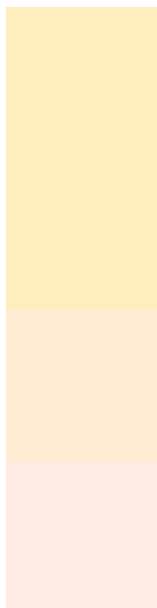
85.9506, 0.3347, 0.3420



Tritanopia

86.1304, 0.3200, 0.3173

Trichromacy



Original Color

86.0832, 0.3559, 0.3783

Protanomaly

85.8940, 0.3552, 0.3784

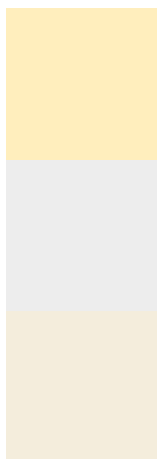
Deuteranomaly

85.9040, 0.3425, 0.3550

Tritanomaly

86.1129, 0.3328, 0.3390

Monochromacy



Original Color

86.0832, 0.3559, 0.3783

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.9688, 0.3282, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0832, 0.3559, 0.3783 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, 238, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 189)  
}
```

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, 238, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 189) }
```

Border

The CSS property to change the border of an element to Yxy 86.0832, 0.3559, 0.3783 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, 238, 189) }
```

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

```
.border{ border-color:rgb(255, 238, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0832, 0.3559, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 189) }
```

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

```
.background{ background-color: rgb(255,  
238, 189) }
```

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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