

Converting Colors

$Y_{xy}(86.1553, 0.3782, 0.3637)$

Have a look what the booklet for
Yxy(86.1553, 0.3782, 0.3637)
contains.

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Color

Yxy(80.5084, 0.3570, 0.3666)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFE4BF |
| RGB | 255, 228, 191 |
| RGB Percent | 100%, 89%, 75% |
| CMY | 0.0000, 0.1059, 0.2510 |
| CMYK | 0.00, 0.11, 0.25, 0.00 |
| HSL | 35°, 100%, 87% |
| HSV | 35°, 25%, 100% |
| XYZ | 78.4002, 80.5084, 60.6997 |
| YIQ | 231.8550, 27.9690, -5.7830 |

Conversions

Conversions Part 2

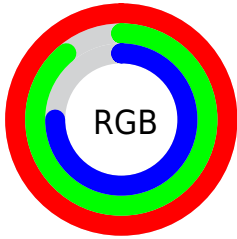
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 238, 255, 191 |
| Decimal | 16770239 |
| CIE Lab | 91.91, 3.78, 21.45 |
| CIE LCh | 92, 21.783, 80.014 |
| Yxy | 80.5084, 0.3570, 0.3666 |
| Android (android.graphics.Color) | 4294960319 (0xFFFFE4BF) |
| YUV | 231.8550, -20.1415, 20.2982 |
| Hunter-Lab | 89.7265, -1.0537, 22.6990 |

Details

The Yxy color **80.5084, 0.3570, 0.3666** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.4476, 0.2721, 0.2882**, and the grayscale version is **80.7148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **43.6990, 0.3676, 0.3758** is the 20% darker color. If you saturate the color by 10%, you get **73.7383, 0.3781, 0.3822**, and if you desaturate by 10%, it is **87.8325, 0.3378, 0.3511**.

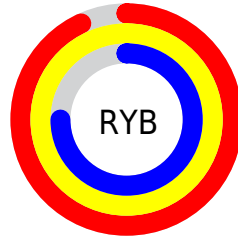
Distribution



Red (100%)

Green (89%)

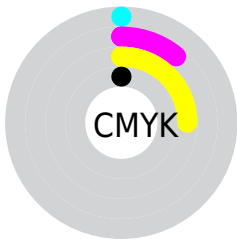
Blue (75%)



Red (93%)

Yellow (100%)

Blue (75%)

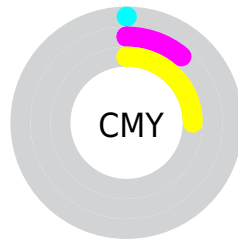


Cyan (0%)

Magenta (11%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5084, 0.3570, 0.3666 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 80.5084, 0.3570, 0.3666 by changing the saturation by 10% instead.


 80.5084, 0.3570,
0.3666

 80.5084, 0.3570,
0.3666


496.6445, 0.3369,
0.3497

 60.1368, 0.3615,
0.3703


 134.0803, 0.3501,
0.3609

 43.5289, 0.3670,
0.3748


168.0494, 0.3474,
0.3586

 30.3003, 0.3739,
0.3804


207.3197, 0.3450,
0.3566

 20.0667, 0.3827,
0.3874

252.2757, 0.3430,
0.3549

 12.4435, 0.3944,
0.3966

303.3018, 0.3412,
0.3534

 7.0465, 0.4104,
0.4089

360.7824, 0.3396,

 3.4912, 0.4335,

0.3520

0.4259

425.1018, 0.3381,
0.3508

■ 1.3932, 0.5105,
0.4895

■ 0.2117, 0.5809,
0.4191

■ 80.5084, 0.3570,
0.3666

■ 80.5084, 0.3570,
0.3666

■ 73.7383, 0.3781,
0.3822

■ 87.8325, 0.3378,
0.3511

■ 67.5206, 0.4011,
0.3973

■ 95.7416, 0.3207,
0.3363

■ 61.8323, 0.4253,
0.4110

100.0000, 0.3127,
0.3290

■ 56.6542, 0.4498,
0.4220

■ 51.9653, 0.4734,
0.4292

■ 47.7420, 0.4948,
0.4314

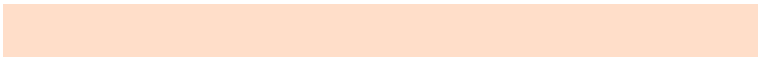
■ 43.9566, 0.5127,
0.4281

■ 42.2441, 0.5204,
0.4250

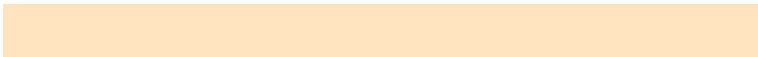
Harmonies

Analogous

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



80.5084, 0.3632, 0.3496



80.5084, 0.3570, 0.3666



80.5084, 0.3387, 0.3741

Triad

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



80.5084, 0.3570, 0.3666



80.5084, 0.2718, 0.3273



80.5084, 0.3098, 0.2933

Complementary

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



80.5084, 0.3570, 0.3666



68.4476, 0.2721, 0.2882

Split Complementary

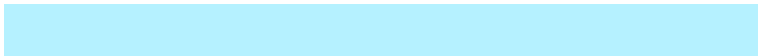
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5084, 0.2860, 0.2869



80.5084, 0.3570, 0.3666



80.5084, 0.2647, 0.3052

Square

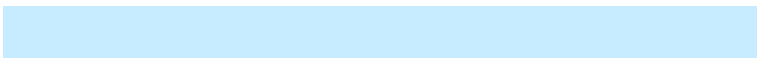
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5084, 0.3570, 0.3666



80.5084, 0.2896, 0.3510



80.5084, 0.2698, 0.2909



80.5084, 0.3354, 0.3082

Rectangle

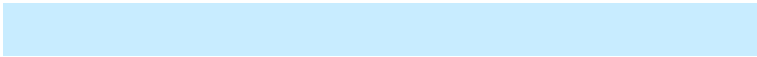
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5084, 0.3570, 0.3666



80.5084, 0.3225, 0.3719



80.5084, 0.2698, 0.2909



80.5084, 0.3013, 0.2900

Sweetspot

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



80.5033, 0.3570, 0.3666



93.3841, 0.3254, 0.3405



63.6245, 0.3433, 0.3008



19.7308, 0.3280, 0.3427



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

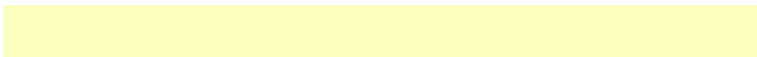
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5033, 0.3570, 0.3666



77.1162, 0.3671, 0.3743



95.7416, 0.3479, 0.3926



19.7308, 0.3280, 0.3427



22.3756, 0.5183, 0.4267



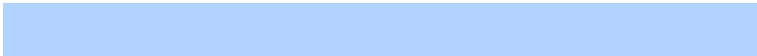
2.3950, 0.5039, 0.4381

Inverse Universe

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



68.4476, 0.2721, 0.2882



63.2273, 0.2637, 0.2790



56.1222, 0.2722, 0.2578



18.6378, 0.2979, 0.3149



9.6158, 0.1701, 0.1324



1.1469, 0.1763, 0.1546

Previews

White Background



This preview shows how the Yxy color 80.5084, 0.3570, 0.3666 looks on a white background.

Color Contrast Check

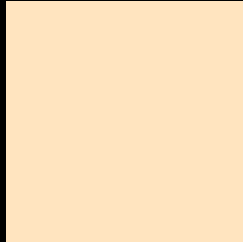
Large Text (above 18pt) WCAG AA × Fail

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 80.5084, 0.3570, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

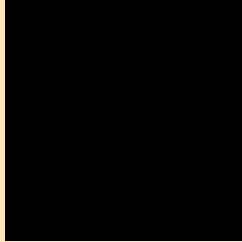
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5084, 0.3570, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 80.5084, 0.3570, 0.3666.

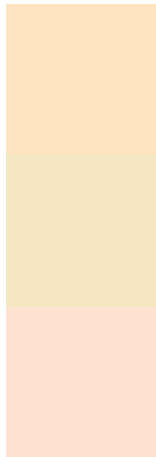


This preview shows how white text looks on a background with the Yxy color 80.5084, 0.3570, 0.3666.

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

80.5084, 0.3570, 0.3666

Protanopia

80.4146, 0.3476, 0.3685

Deuteranopia

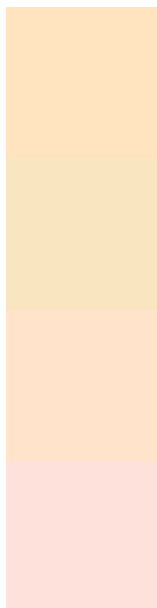
80.2068, 0.3456, 0.3472



Tritanopia

80.6857, 0.3260, 0.3162

Trichromacy



Original Color

80.5084, 0.3570, 0.3666

Protanomaly

80.5391, 0.3514, 0.3681

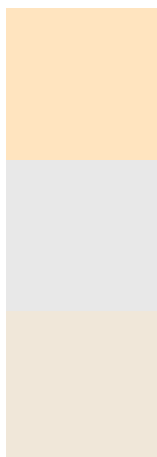
Deuteranomaly

80.4624, 0.3496, 0.3544

Tritanomaly

80.2777, 0.3374, 0.3341

Monochromacy



Original Color

80.5084, 0.3570, 0.3666

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.6868, 0.3280, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5084, 0.3570, 0.3666 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, 228, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 191)  
}
```

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, 228, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 191) }
```

Border

The CSS property to change the border of an element to Yxy 80.5084, 0.3570, 0.3666 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, 228, 191) }
```

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

```
.border{ border-color:rgb(255, 228, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 191); box-shadow:4px 4px 4px 4px rgb(255, 228, 191) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5084, 0.3570, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 191) }
```

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

```
.background{ background-color: rgb(255,  
228, 191) }
```

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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