

Converting Colors

$Y_{xy}(85.0820, 0.3811, 0.3758)$

Have a look what the booklet for
Yxy(85.0820, 0.3811, 0.3758)
contains.

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Color

Yxy(80.5939, 0.3643, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5B4
RGB	255, 229, 180
RGB Percent	100%, 90%, 71%
CMY	0.0000, 0.1020, 0.2941
CMYK	0.00, 0.10, 0.29, 0.00
HSL	39°, 100%, 85%
HSV	39°, 29%, 100%
XYZ	77.5089, 80.5939, 54.6583
YIQ	231.1880, 31.2250, -9.7270

Conversions

Conversions Part 2

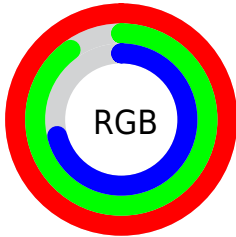
Format	Color
R _Y B	220, 255, 180
Decimal	16770484
CIE Lab	91.95, 1.83, 27.17
CIE LCh	92, 27.233, 86.149
Yxy	80.5939, 0.3643, 0.3788
Android (android.graphics.Color)	4294960564 (0xFFFFE5B4)
YUV	231.1880, -25.2357, 20.8831
Hunter-Lab	89.7741, -2.9920, 26.7436

Details

The Yxy color **80.5939, 0.3643, 0.3788** is a light color, and the websafe version is hex **FFFFCC**, and the color name is **peach**. A complement of this color would be **61.0789, 0.2640, 0.2735**, and the grayscale version is **80.2295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **43.6747, 0.3751, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **74.8745, 0.3848, 0.3961**, and if you desaturate by 10%, it is **86.7469, 0.3451, 0.3614**.

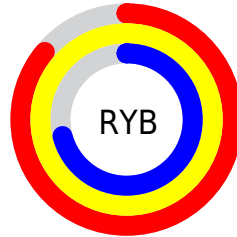
Distribution



Red (100%)

Green (90%)

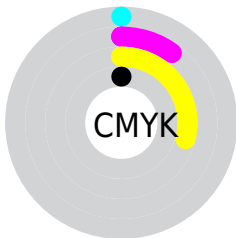
Blue (71%)



Red (86%)

Yellow (100%)

Blue (71%)

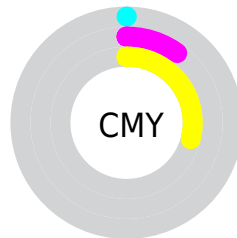


Cyan (0%)

Magenta (10%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5939, 0.3643, 0.3788 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 80.5939, 0.3643, 0.3788 by changing the saturation by 10% instead.


 80.5939, 0.3643,
0.3788

 80.5939, 0.3643,
0.3788


496.9321, 0.3410,
0.3564

 60.2072, 0.3695,
0.3837


 134.2004, 0.3563,
0.3712

 43.5857, 0.3757,
0.3896


168.1890, 0.3532,
0.3682

 30.3449, 0.3835,
0.3970


207.4803, 0.3505,
0.3656

 20.1005, 0.3934,
0.4062

252.4588, 0.3481,
0.3633

 12.4681, 0.4062,
0.4181

303.5088, 0.3460,
0.3613

 7.0633, 0.4233,
0.4338

361.0148, 0.3441,

 3.5017, 0.4475,

0.3595

0.4554

425.3611, 0.3425,
0.3579

■ 1.3990, 0.4986,
0.5014

■ 0.2160, 0.5364,
0.4636

■ 80.5939, 0.3643,
0.3788

■ 80.5939, 0.3643,
0.3788

■ 74.8745, 0.3848,
0.3961

■ 86.7469, 0.3451,
0.3614

■ 69.5850, 0.4064,
0.4124

■ 93.3572, 0.3276,
0.3443

■ 64.7066, 0.4281,
0.4266

100.0000, 0.3127,
0.3290

■ 60.2227, 0.4492,
0.4376

■ 56.1147, 0.4685,
0.4443

■ 52.3610, 0.4849,
0.4458

■ 48.9308, 0.4980,
0.4424

■ 48.7351, 0.4988,
0.4422

Harmonies

Analogous

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



80.5939, 0.3758, 0.3591



80.5939, 0.3643, 0.3788



80.5939, 0.3390, 0.3857

Triad

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



80.5939, 0.3643, 0.3788



80.5939, 0.2590, 0.3203



80.5939, 0.3155, 0.2879

Complementary

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



80.5939, 0.3643, 0.3788



61.0789, 0.2640, 0.2735

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.



80.5939, 0.2848, 0.2776



80.5939, 0.3643, 0.3788



80.5939, 0.2534, 0.2944

Square

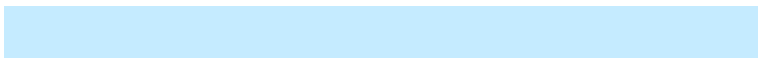
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5939, 0.3643, 0.3788



80.5939, 0.2784, 0.3508



80.5939, 0.2625, 0.2795



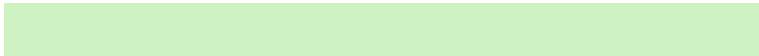
80.5939, 0.3469, 0.3079

Rectangle

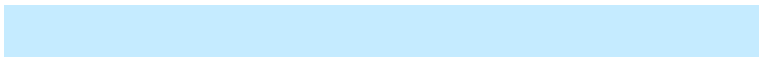
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5939, 0.3643, 0.3788



80.5939, 0.3181, 0.3809



80.5939, 0.2625, 0.2795



80.5939, 0.3048, 0.2832

Sweetspot

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



80.5904, 0.3643, 0.3788



93.6351, 0.3269, 0.3436



58.3777, 0.3556, 0.3020



19.8292, 0.3294, 0.3461



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.



80.5904, 0.3643, 0.3788



77.3393, 0.3756, 0.3885



94.0047, 0.3497, 0.4047



19.9678, 0.3278, 0.3445



25.7551, 0.4971, 0.4435



2.7121, 0.4859, 0.4524

Inverse Universe

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



61.0789, 0.2640, 0.2735



55.0988, 0.2540, 0.2610



50.9794, 0.2684, 0.2446



18.4080, 0.2979, 0.3130



7.7080, 0.1642, 0.1110



0.9454, 0.1704, 0.1334

Previews

White Background



This preview shows how the Yxy color 80.5939, 0.3643, 0.3788 looks on a white background.

Color Contrast Check

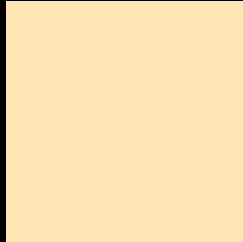
Large Text (above 18pt) WCAG AA × Fail

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 80.5939, 0.3643, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

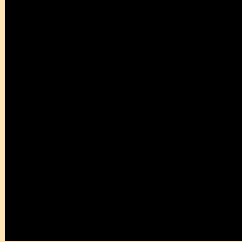
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5939, 0.3643, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 80.5939, 0.3643, 0.3788.



This preview shows how white text looks on a background with the Yxy color 80.5939, 0.3643, 0.3788.

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

80.5939, 0.3643, 0.3788

Protanopia

80.8236, 0.3569, 0.3818

Deuteranopia

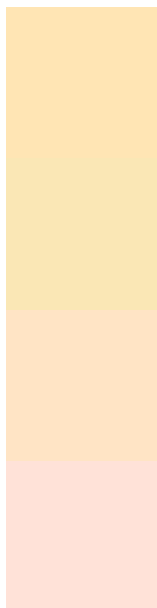
80.6544, 0.3468, 0.3503



Tritanopia

80.6857, 0.3260, 0.3162

Trichromacy



Original Color

80.5939, 0.3643, 0.3788

Protanomaly

80.8120, 0.3593, 0.3804

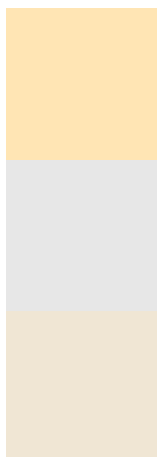
Deuteranomaly

80.7780, 0.3528, 0.3605

Tritanomaly

80.6106, 0.3400, 0.3391

Monochromacy



Original Color

80.5939, 0.3643, 0.3788

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.8724, 0.3314, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5939, 0.3643, 0.3788 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, 229, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 180)  
}
```

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, 229, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 180) }
```

Border

The CSS property to change the border of an element to Yxy 80.5939, 0.3643, 0.3788 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, 229, 180) }
```

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

```
.border{ border-color:rgb(255, 229, 180) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5939, 0.3643, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 180) }
```

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

```
.background{ background-color: rgb(255,  
229, 180) }
```

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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