

Converting Colors

$Y_{xy}(78.7130, 0.4043, 0.3721)$

Have a look what the booklet for
Yxy(78.7130, 0.4043, 0.3721)
contains.

Yxy(71.6385, 0.3785, 0.3766)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.6385, 0.3785, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	FFD5A7
RGB	255, 213, 167
RGB Percent	100%, 84%, 65%
CMY	0.0001, 0.1646, 0.3451
CMYK	0.00, 0.16, 0.35, 0.00
HSL	31°, 100%, 83%
HSV	31°, 35%, 100%
XYZ	71.9999, 71.6385, 46.5859
YIQ	220.3140, 39.7980, -5.4020

Conversions

Conversions Part 2

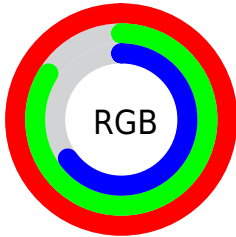
Format	Color
RYB	247, 255, 167
Decimal	16766375
CIELab	87.79, 8.40, 28.25
CIELCh	88, 29.474, 73.433
Yxy	71.6385, 0.3785, 0.3766
Android (android.graphics.Color)	4294956455 (0xFFFFD5A7)
YUV	220.3140, -26.2838, 30.4196
Hunter-Lab	84.6395, 3.7246, 26.6142

Details

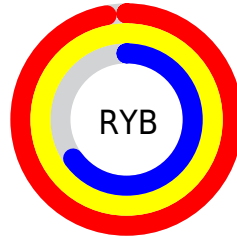
The Yxy color **71.6385, 0.3785, 0.3766** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.0036, 0.2567, 0.2759**, and the grayscale version is **71.9669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **37.5618, 0.3939, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **64.9007, 0.4026, 0.3905**, and if you desaturate by 10%, it is **79.0273, 0.3566, 0.3623**.

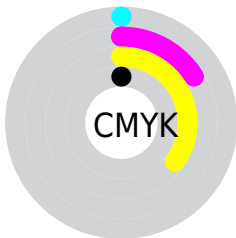
Distribution



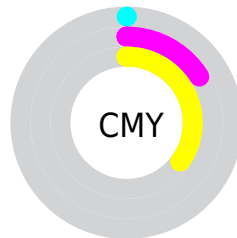
- Red (100%)
- Green (84%)
- Blue (65%)



- Red (97%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (16%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (16%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6385, 0.3785, 0.3766 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 71.6385, 0.3785, 0.3766 by changing the saturation by 10% instead.


 71.6385, 0.3785,
0.3766

 71.6385, 0.3785,
0.3766


466.2824, 0.3480,
0.3553

 52.8634, 0.3854,
0.3812


 121.5424, 0.3679,
0.3694

 37.6938, 0.3939,
0.3868


 153.4401, 0.3638,
0.3665

 25.7451, 0.4046,
0.3936


190.4807, 0.3603,
0.3640

 16.6330, 0.4183,
0.4021

233.0487, 0.3572,
0.3618

 9.9732, 0.4363,
0.4126

281.5285, 0.3544,
0.3599

 5.3812, 0.4609,
0.4255

336.3044, 0.3520,

 2.4726, 0.5128,

0.3582

0.4559

397.7609, 0.3499,
0.3567

0.8629, 0.5463,
0.4537

0.0000, 0.0000,
0.0000

71.6385, 0.3785,
0.3766

71.6385, 0.3785,
0.3766

64.9007, 0.4026,
0.3905

79.0273, 0.3566,
0.3623

58.7831, 0.4286,
0.4030

87.0770, 0.3370,
0.3483

53.2665, 0.4554,
0.4130

95.8096, 0.3198,
0.3348

48.3264, 0.4818,
0.4193

99.9942, 0.3127,
0.3290

■ 43.9360, 0.5061,
0.4206

■ 40.0640, 0.5268,
0.4163

■ 38.1378, 0.5367,
0.4121

Harmonies

Analogous

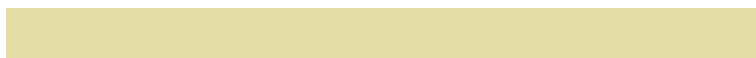
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6385, 0.3833, 0.3505



71.6385, 0.3785, 0.3766



71.6385, 0.3555, 0.3918

Triad

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



71.6385, 0.3785, 0.3766



71.6385, 0.2599, 0.3336



71.6385, 0.3004, 0.2767

Complementary

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



71.6385, 0.3785, 0.3766



61.0036, 0.2567, 0.2759

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.



71.6385, 0.2692, 0.2706



71.6385, 0.3785, 0.3766



71.6385, 0.2469, 0.3010

Square

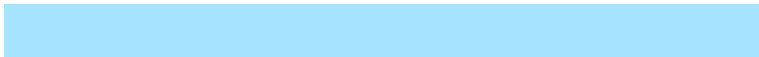
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6385, 0.3785, 0.3766



71.6385, 0.2869, 0.3671



71.6385, 0.2502, 0.2787



71.6385, 0.3367, 0.2948

Rectangle

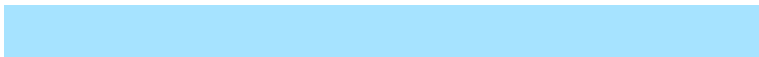
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.6385, 0.3785, 0.3766



71.6385, 0.3337, 0.3922



71.6385, 0.2502, 0.2787



71.6385, 0.2890, 0.2732

Sweetspot

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



71.6418, 0.3785, 0.3766



90.9513, 0.3290, 0.3421



53.5166, 0.3551, 0.2853



19.2071, 0.3314, 0.3440



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.



71.6418, 0.3785, 0.3766



67.2104, 0.3939, 0.3857



95.2671, 0.3639, 0.4156



19.5598, 0.3281, 0.3414



20.2345, 0.5342, 0.4140



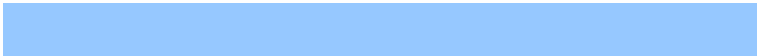
2.1890, 0.5176, 0.4272

Inverse Universe

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



61.0036, 0.2567, 0.2759



55.1950, 0.2459, 0.2639



43.2265, 0.2509, 0.2255



18.8066, 0.2979, 0.3162



11.2875, 0.1749, 0.1497



1.3161, 0.1808, 0.1709

Previews

White Background



This preview shows how the Yxy color 71.6385, 0.3785, 0.3766 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 71.6385, 0.3785, 0.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

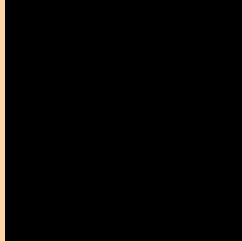
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6385, 0.3785, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 71.6385, 0.3785, 0.3766.



This preview shows how white text looks on a background with the Yxy color 71.6385, 0.3785, 0.3766.

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

71.6385, 0.3785, 0.3766

Protanopia

71.7508, 0.3585, 0.3833

Deuteranopia

71.4421, 0.3729, 0.3673



Tritanopia

71.5922, 0.3391, 0.3159

Trichromacy



Original Color

71.6385, 0.3785, 0.3766

Protanomaly

71.3675, 0.3655, 0.3803

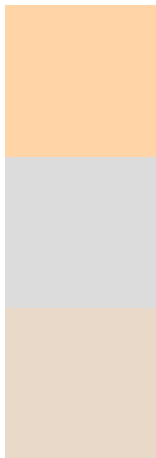
Deuteranomaly

71.3255, 0.3751, 0.3704

Tritanomaly

71.5702, 0.3538, 0.3383

Monochromacy



Original Color

71.6385, 0.3785, 0.3766

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.1664, 0.3356, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6385, 0.3785, 0.3766 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, 213, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 167)  
}
```

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, 213, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 167) }
```

Border

The CSS property to change the border of an element to Yxy 71.6385, 0.3785, 0.3766 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, 213, 167) }
```

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

```
.border{ border-color:rgb(255, 213, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 213, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 213, 167); box-shadow:4px 4px 4px 4px rgb(255, 213, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6385, 0.3785, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 167) }
```

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

```
.background{ background-color: rgb(255,  
213, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor