

Converting Colors

$Y_{xy}(73.6078, 0.4060, 0.4041)$

Have a look what the booklet for
Yxy(73.6078, 0.4060, 0.4041)
contains.

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Color

Yxy(71.7250, 0.3977, 0.4064)

Conversions

Conversions Part 1

Format	Color
Hex	FFD78B
RGB	255, 215, 139
RGB Percent	100%, 84%, 55%
CMY	0.0002, 0.1568, 0.4549
CMYK	0.00, 0.16, 0.45, 0.00
HSL	39°, 100%, 77%
HSV	39°, 45%, 100%
XYZ	70.1895, 71.7250, 34.5741
YIQ	218.2960, 48.2360, -15.1560

Conversions

Conversions Part 2

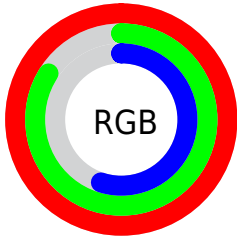
Format	Color
R _Y B	200, 255, 139
Decimal	16766859
CIE Lab	87.84, 4.37, 42.58
CIE LCh	88, 42.806, 84.139
Yxy	71.7250, 0.3977, 0.4064
Android (android.graphics.Color)	4294956939 (0xFFFFD78B)
YUV	218.2960, -39.0929, 32.1894
Hunter-Lab	84.6906, -0.2721, 35.0789

Details

The Yxy color **71.7250, 0.3977, 0.4064** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.9256, 0.2350, 0.2357**, and the grayscale version is **70.5762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **37.5655, 0.4167, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **66.7143, 0.4194, 0.4216**, and if you desaturate by 10%, it is **77.1563, 0.3765, 0.3896**.

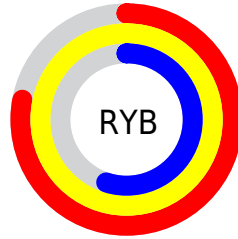
Distribution



Red (100%)

Green (84%)

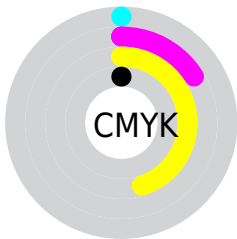
Blue (55%)



Red (78%)

Yellow (100%)

Blue (55%)

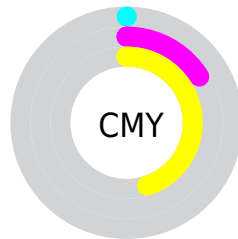


Cyan (0%)

Magenta (16%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7250, 0.3977, 0.4064 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 71.7250, 0.3977, 0.4064 by changing the saturation by 10% instead.


 71.7250, 0.3977,
0.4064

 71.7250, 0.3977,
0.4064


466.5839, 0.3591,
0.3719

 52.9341, 0.4061,
0.4137

 121.6655, 0.3846,
0.3948

 37.7501, 0.4162,
0.4224


 153.5838, 0.3794,
0.3902

 25.7888, 0.4284,
0.4327


 190.6467, 0.3749,
0.3862

 16.6657, 0.4434,
0.4450

233.2386, 0.3709,
0.3826

 9.9964, 0.4616,
0.4592

281.7439, 0.3674,
0.3795

 5.3966, 0.4875,
0.4789

336.5469, 0.3643,

 2.4818, 0.5094,

0.3767

0.4906

398.0321, 0.3616,
0.3742

0.8675, 0.5186,
0.4814

0.0000, 0.0000,
0.0000

71.7250, 0.3977,
0.4064

71.7250, 0.3977,
0.4064

66.7143, 0.4194,
0.4216

77.1563, 0.3765,
0.3896

62.0981, 0.4408,
0.4341

83.0128, 0.3565,
0.3721

57.8622, 0.4608,
0.4426

89.3115, 0.3380,
0.3547

53.9863, 0.4783,
0.4463

96.0655, 0.3212,
0.3379

■ 50.4466, 0.4925,
0.4447

99.9919, 0.3127,
0.3290

■ 48.9418, 0.4981,
0.4427

Harmonies

Analogous

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



71.7250, 0.4161, 0.3718



71.7250, 0.3977, 0.4064



71.7250, 0.3568, 0.4231

Triad

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



71.7250, 0.3977, 0.4064



71.7250, 0.2285, 0.3161



71.7250, 0.3127, 0.2630

Complementary

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



71.7250, 0.3977, 0.4064



44.9256, 0.2350, 0.2357

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.



71.7250, 0.2643, 0.2478



71.7250, 0.3977, 0.4064



71.7250, 0.2189, 0.2738

Square

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



71.7250, 0.3977, 0.4064



71.7250, 0.2593, 0.3683



71.7250, 0.2314, 0.2507



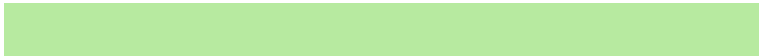
71.7250, 0.3651, 0.2925

Rectangle

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



71.7250, 0.3977, 0.4064



71.7250, 0.3231, 0.4181



71.7250, 0.2314, 0.2507



71.7250, 0.2954, 0.2561

Sweetspot

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



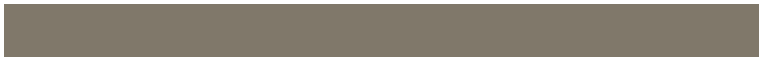
71.7284, 0.3977, 0.4064



90.3144, 0.3354, 0.3522



42.9988, 0.3915, 0.2870



19.0287, 0.3392, 0.3559



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.



71.7284, 0.3977, 0.4064



66.9696, 0.4184, 0.4210



91.4591, 0.3682, 0.4460



19.9754, 0.3278, 0.3445



25.8720, 0.4965, 0.4440



2.7229, 0.4854, 0.4528

Inverse Universe

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



44.9256, 0.2350, 0.2357



37.0622, 0.2182, 0.2118



32.7937, 0.2379, 0.1900



18.4006, 0.2979, 0.3130



7.6541, 0.1640, 0.1104



0.9395, 0.1702, 0.1328

Previews

White Background



This preview shows how the Yxy color 71.7250, 0.3977, 0.4064 looks on a white background.

Color Contrast Check

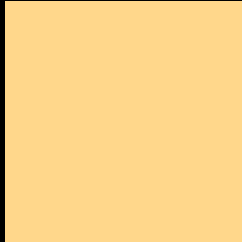
Large Text (above 18pt) WCAG AA × Fail

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 71.7250, 0.3977, 0.4064 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 71.7250, 0.3977, 0.4064

Background



This preview shows how black text looks on a background with the Yxy color 71.7250, 0.3977, 0.4064.



This preview shows how white text looks on a background with the Yxy color 71.7250, 0.3977, 0.4064.

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

71.7250, 0.3977, 0.4064

Protanopia

71.6348, 0.3823, 0.4129

Deuteranopia

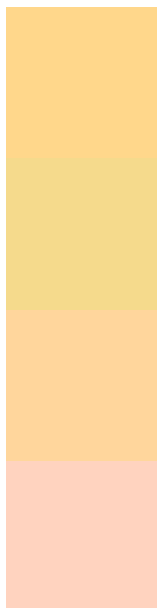
71.5651, 0.3800, 0.3786



Tritanopia

71.5922, 0.3391, 0.3159

Trichromacy



Original Color

71.7250, 0.3977, 0.4064

Protanomaly

71.4487, 0.3878, 0.4107

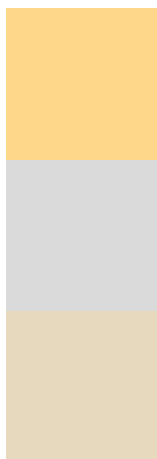
Deuteranomaly

71.7534, 0.3862, 0.3887

Tritanomaly

71.6101, 0.3611, 0.3497

Monochromacy



Original Color

71.7250, 0.3977, 0.4064

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.2888, 0.3426, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7250, 0.3977, 0.4064 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, 215, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 139)  
}
```

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, 215, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 139) }
```

Border

The CSS property to change the border of an element to Yxy 71.7250, 0.3977, 0.4064 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, 215, 139) }
```

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

```
.border{ border-color:rgb(255, 215, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7250, 0.3977, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 139) }
```

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

```
.background{ background-color: rgb(255,  
215, 139) }
```

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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