

Converting Colors

$Y_{xy}(100.0000, 0.4771, 0.3737)$

Have a look what the booklet for
Yxy(100.0000, 0.4771, 0.3737)
contains.

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Color

Yxy(70.4223, 0.3942, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	FFD492
RGB	255, 212, 146
RGB Percent	100%, 83%, 57%
CMY	0.0001, 0.1685, 0.4275
CMYK	0.00, 0.17, 0.43, 0.00
HSL	36°, 100%, 79%
HSV	36°, 43%, 100%
XYZ	69.9609, 70.4223, 37.0924
YIQ	217.3330, 46.8140, -11.4100

Conversions

Conversions Part 2

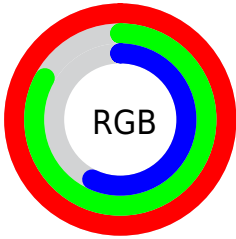
Format	Color
R _Y B	217, 255, 146
Decimal	16766098
CIE Lab	87.20, 6.61, 38.26
CIE LCh	87, 38.822, 80.202
Yxy	70.4223, 0.3942, 0.3968
Android (android.graphics.Color)	4294956178 (0xFFFFD492)
YUV	217.3330, -35.1672, 33.0340
Hunter-Lab	83.9180, 1.9556, 32.5360

Details

The Yxy color **70.4223, 0.3942, 0.3968** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.6909, 0.2411, 0.2492**, and the grayscale version is **69.8494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **36.9976, 0.4122, 0.4120** is the 20% darker color. If you saturate the color by 10%, you get **64.8503, 0.4173, 0.4115**, and if you desaturate by 10%, it is **76.4905, 0.3722, 0.3808**.

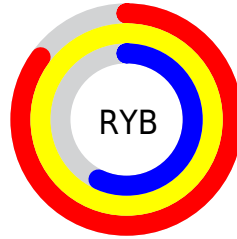
Distribution



Red (100%)

Green (83%)

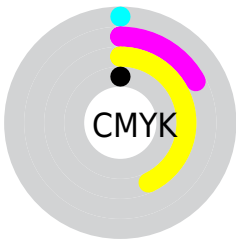
Blue (57%)



Red (85%)

Yellow (100%)

Blue (57%)

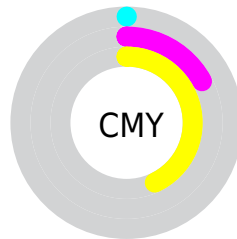


Cyan (0%)

Magenta (17%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4223, 0.3942, 0.3968 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 70.4223, 0.3942, 0.3968 by changing the saturation by 10% instead.


 70.4223, 0.3942,
0.3968


 70.4223, 0.3942,
0.3968


462.0314, 0.3567,
0.3665

 51.8709, 0.4025,
0.4033


 119.8108, 0.3814,
0.3866

 36.9022, 0.4126,
0.4110


 151.4167, 0.3763,
0.3826

 25.1318, 0.4250,
0.4202


188.1428, 0.3719,
0.3790

 16.1752, 0.4404,
0.4312

230.3736, 0.3681,
0.3759

 9.6482, 0.4599,
0.4443

278.4935, 0.3648,
0.3732

 5.1664, 0.4858,
0.4603

332.8868, 0.3618,

 2.3452, 0.5211,

0.3707

0.4789

393.9380, 0.3591,
0.3685

0.7975, 0.5361,
0.4639

0.0000, 0.0000,
0.0000

70.4223, 0.3942,
0.3968

70.4223, 0.3942,
0.3968

64.8503, 0.4173,
0.4115

76.4905, 0.3722,
0.3808

59.7469, 0.4407,
0.4239

83.0611, 0.3519,
0.3645

55.0963, 0.4634,
0.4326

90.1528, 0.3335,
0.3485

50.8772, 0.4841,
0.4367

97.7801, 0.3169,
0.3331

■ 47.0646, 0.5016,
0.4353

99.9931, 0.3127,
0.3290

■ 44.5289, 0.5122,
0.4315

Harmonies

Analogous

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



70.4223, 0.4073, 0.3641



70.4223, 0.3942, 0.3968



70.4223, 0.3591, 0.4141

Triad

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



70.4223, 0.3942, 0.3968



70.4223, 0.2381, 0.3237



70.4223, 0.3066, 0.2655

Complementary

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



70.4223, 0.3942, 0.3968



49.6909, 0.2411, 0.2492

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.



70.4223, 0.2635, 0.2536



70.4223, 0.3942, 0.3968



70.4223, 0.2264, 0.2830

Square

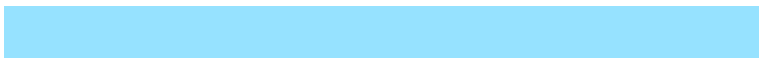
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4223, 0.3942, 0.3968



70.4223, 0.2690, 0.3707



70.4223, 0.2353, 0.2590



70.4223, 0.3547, 0.2914

Rectangle

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



70.4223, 0.3942, 0.3968



70.4223, 0.3288, 0.4117



70.4223, 0.2353, 0.2590



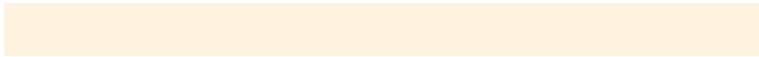
70.4223, 0.2911, 0.2598

Sweetspot

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



70.4256, 0.3942, 0.3968



89.9930, 0.3339, 0.3489



45.5053, 0.3790, 0.2839



18.9179, 0.3378, 0.3524



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.



70.4256, 0.3942, 0.3968



65.8087, 0.4132, 0.4091



92.8167, 0.3691, 0.4377



19.8188, 0.3279, 0.3434



23.5741, 0.5103, 0.4330



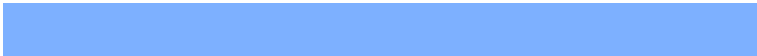
2.5085, 0.4971, 0.4435

Inverse Universe

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



49.6909, 0.2411, 0.2492



42.7035, 0.2269, 0.2303



34.9269, 0.2395, 0.1982



18.5519, 0.2979, 0.3142



8.8538, 0.1678, 0.1241



1.0677, 0.1740, 0.1465

Previews

White Background



This preview shows how the Yxy color 70.4223, 0.3942, 0.3968 looks on a white background.

Color Contrast Check

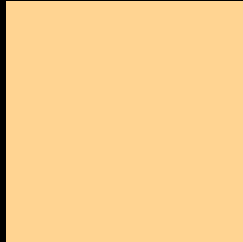
Large Text (above 18pt) WCAG AA × Fail

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 70.4223, 0.3942, 0.3968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

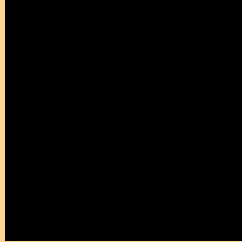
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4223, 0.3942, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 70.4223, 0.3942, 0.3968.



This preview shows how white text looks on a background with the Yxy color 70.4223, 0.3942, 0.3968.

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

70.4223, 0.3942, 0.3968

Protanopia

70.8375, 0.3750, 0.4044

Deuteranopia

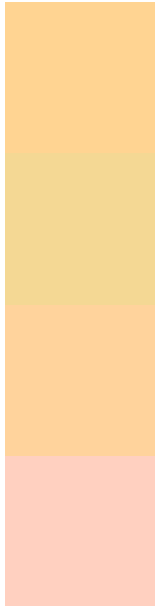
70.4572, 0.3829, 0.3797



Tritanopia

70.5171, 0.3409, 0.3159

Trichromacy



Original Color

70.4223, 0.3942, 0.3968

Protanomaly

70.4829, 0.3824, 0.4010

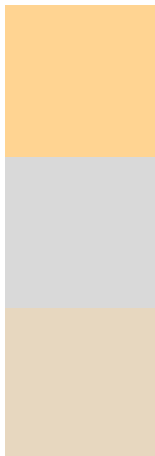
Deuteranomaly

70.2488, 0.3874, 0.3858

Tritanomaly

70.1775, 0.3611, 0.3456

Monochromacy



Original Color

70.4223, 0.3942, 0.3968

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3514, 0.3415, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4223, 0.3942, 0.3968 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, 212, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 146)  
}
```

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, 212, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 146) }
```

Border

The CSS property to change the border of an element to Yxy 70.4223, 0.3942, 0.3968 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, 212, 146) }
```

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

```
.border{ border-color:rgb(255, 212, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 212, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 212, 146); box-shadow:4px 4px 4px 4px rgb(255, 212, 146) }
```


Background

The CSS property to change the background color of an element to `rgb(70.4223, 0.3942, 0.3968)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 146) }
```

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

```
.background{ background-color: rgb(255,  
212, 146) }
```

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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