Converting Colors

Yxy(78.7352, 0.4249, 0.3934)

Have a look what the booklet for Yxy(78.7352, 0.4249, 0.3934) contains.

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Color

Yxy(70.8015, 0.3966, 0.4016)

Conversions

Conversions Part 1

Format	Color
Hex	FFD58E
RGB	255, 213, 142
RGB Percent	100%, 84%, 56%
CMY	0.0000, 0.1647, 0.4431
CMYK	0.00, 0.16, 0.44, 0.00
HSL	38°, 100%, 78%
HSV	38°, 44%, 100%
XYZ	69.9200, 70.8015, 35.5770
YIQ	217.4640, 47.8230, -13.1770

Conversions

Conversions Part 2

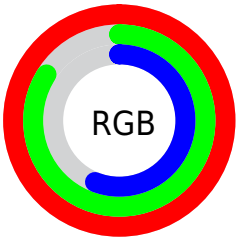
Format	Color
RYB	209, 255, 142
Decimal	16766350
CIELab	87.39, 5.72, 40.50
CIELCh	87, 40.905, 81.960
Yxy	70.8015, 0.3966, 0.4016
Android (android.graphics.Color)	4294956430 (0xFFFFD58E)
YUV	217.4640, -37.2038, 32.9191
Hunter-Lab	84.1436, 1.0751, 33.8319

Details

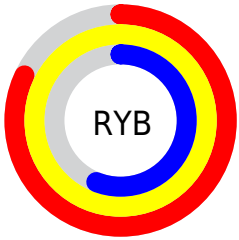
The Yxy color 70.8015, 0.3966, 0.4016 is a light color, and the websafe version is hex FFCC99. A complement of this color would be 47.2583, 0.2378, 0.2425, and the grayscale version is 69.9602, 0.3127, 0.3290.

A 20% lighter version of the original color is 96.8112, 0.3472, 0.3860, and 37.2702, 0.4149, 0.4179 is the 20% darker color. If you saturate the color by 10%, you get 65.4927, 0.4191, 0.4165, and if you desaturate by 10%, it is 76.5675, 0.3749, 0.3853.

Distribution

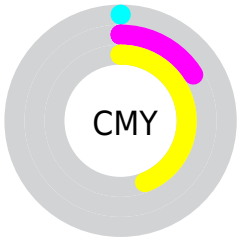


- Red (100%)
- Green (84%)
- Blue (56%)



- Red (82%)
- Yellow (100%)
- Blue (56%)

- Cyan (0%)
- Magenta (16%)
- Yellow (44%)
- Black (0%)



- Cyan (0%)
- Magenta (16%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8015, 0.3966, 0.4016 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 70.8015, 0.3966, 0.4016 by changing the saturation by 10% instead.

70.8015, 0.3966, 0.4016

70.8015, 0.3966, 0.4016

463.3592, 0.3582, 0.3692

52.1802, 0.4050, 0.4085

120.3510, 0.3835, 0.3907

37.1487, 0.4152, 0.4167

152.0481, 0.3783, 0.3864

25.3227, 0.4277, 0.4264

188.8725, 0.3738, 0.3826

16.3176, 0.4430, 0.4380

231.2087, 0.3699, 0.3793

9.7492, 0.4621, 0.4516

279.4411, 0.3665, 0.3763

5.2330, 0.4884, 0.4694

333.9541, 0.3634,

2.3846, 0.5165,

0.3737

0.4835

395.1320, 0.3607, 0.3713

0.8180, 0.5292, 0.4708

0.0000, 0.0000, 0.0000

70.8015, 0.3966, 0.4016

70.8015, 0.3966, 0.4016

65.4927, 0.4191, 0.4165

76.5675, 0.3749, 0.3853

60.6193, 0.4416, 0.4288

82.8014, 0.3547, 0.3684

56.1645, 0.4631, 0.4374

89.5193, 0.3361, 0.3517

52.1075, 0.4822, 0.4411

96.7349, 0.3194, 0.3357

48.4238, 0.4981, 0.4394

100.0000, 0.3127, 0.3290

46.4759, 0.5058, 0.4366

Harmonies

Analogous

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

70.8015, 0.4122, 0.3677

70.8015, 0.3966, 0.4016

70.8015, 0.3586, 0.4189

Triad

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

70.8015, 0.3966, 0.4016

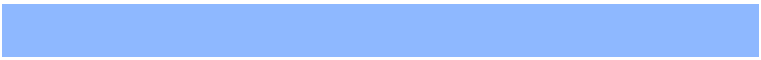
70.8015, 0.2331, 0.3203

70.8015, 0.3091, 0.2638

Complementary

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

70.8015, 0.3966, 0.4016



47.2583, 0.2378, 0.2425

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.

70.8015, 0.2633, 0.2504

70.8015, 0.3966, 0.4016

70.8015, 0.2223, 0.2785

Square

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

70.8015, 0.3966, 0.4016

70.8015, 0.2644, 0.3702

70.8015, 0.2328, 0.2547

70.8015, 0.3596, 0.2915

Rectangle

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

70.8015, 0.3966, 0.4016

70.8015, 0.3265, 0.4154

70.8015, 0.2328, 0.2547

70.8015, 0.2927, 0.2575

Sweetspot

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

70.8031, 0.3966, 0.4016

90.4344, 0.3338, 0.3496

44.1270, 0.3845, 0.2842

19.0272, 0.3377, 0.3532

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.

70.8031, 0.3966, 0.4016

66.1620, 0.4161, 0.4147

92.3186, 0.3696, 0.4420

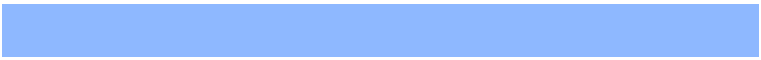
19.8892, 0.3278, 0.3439

24.5804, 0.5040, 0.4380

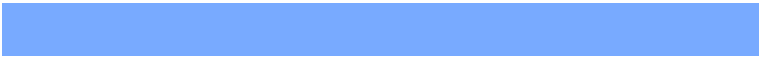
2.6028, 0.4918, 0.4477

Inverse Universe

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



47.2583, 0.2378, 0.2425



39.9843, 0.2227, 0.2217

33.5585, 0.2376, 0.1931

18.4837, 0.2979, 0.3136

8.2905, 0.1661, 0.1178

1.0081, 0.1723, 0.1402

Previews

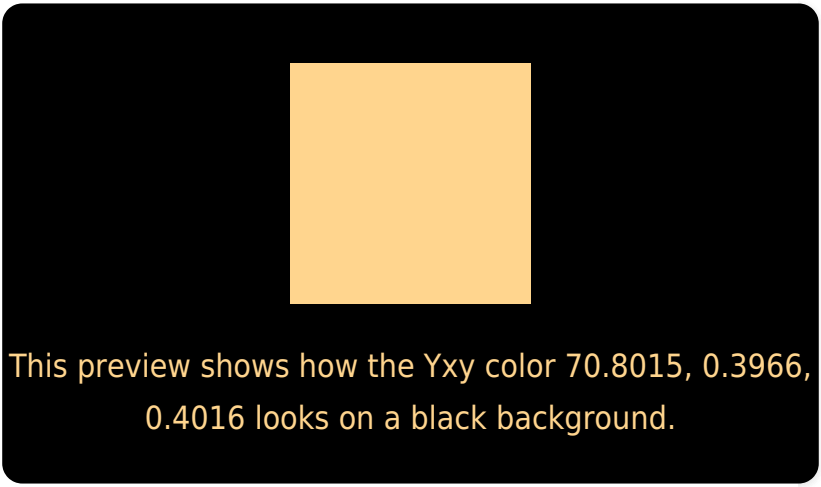
White Background

This preview shows how the Yxy color 70.8015, 0.3966, 0.4016 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

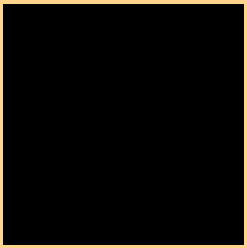


Color Contrast Check

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 70.8015, 0.3966, 0.4016 Background



This preview shows how black text looks on a background with the Yxy color 70.8015, 0.3966, 0.4016.

This preview shows how white text looks on a background with the Yxy color 70.8015, 0.3966, 0.4016.

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
70.8015, 0.3966, 0.4016

Protanopia
70.8538, 0.3792, 0.4094

Deuteranopia
70.9913, 0.3818, 0.3797

Tritanopia
70.5171, 0.3409, 0.3159

Trichromacy

Original Color
70.8015, 0.3966, 0.4016

Protanomaly
70.8420, 0.3854, 0.4070

Deuteranomaly
70.7135, 0.3877, 0.3878

Tritanomaly
70.6225, 0.3616, 0.3477

Monochromacy

Original Color
70.8015, 0.3966, 0.4016

Achromatopsia
69.3872, 0.3127, 0.3290

Achromatomaly
69.8184, 0.3421, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8015, 0.3966, 0.4016 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, 142) looks like.

```
.text, #text, p{
    color:rgb(255, 213, 142)
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 142) }
```

Border

The CSS property to change the border of an element to Yxy 70.8015, 0.3966, 0.4016 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, 142) }
```

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

```
.border{ border-color:rgb(255, 213, 142) }
```

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, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 213, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 213, 142); box-shadow:4px 4px 4px 4px rgb(255, 213, 142) }
```

Background

The CSS property to change the background color of an element to Yxy 70.8015, 0.3966, 0.4016 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, 142) }
```

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

```
.background{ background-color:rgb(255,
213, 142) }
```

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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