

Converting Colors

$Y_{xy}(88.0279, 0.4494, 0.3933)$

Have a look what the booklet for
Yxy(88.0279, 0.4494, 0.3933)
contains.

Yxy(72.6919, 0.3982, 0.4101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.6919, 0.3982, 0.4101)

Conversions

Conversions Part 1

Format	Color
Hex	FFD989
RGB	255, 217, 137
RGB Percent	100%, 85%, 54%
CMY	0.0000, 0.1491, 0.4627
CMYK	0.00, 0.15, 0.46, 0.00
HSL	41°, 100%, 77%
HSV	41°, 46%, 100%
XYZ	70.5826, 72.6919, 33.9796
YIQ	219.2420, 48.3280, -16.8240

Conversions

Conversions Part 2

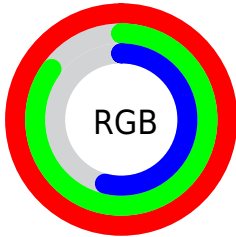
Format	Color
RYB	193, 255, 137
Decimal	16767369
CIELab	88.30, 3.21, 44.17
CIELCh	88, 44.286, 85.842
Yxy	72.6919, 0.3982, 0.4101
Android (android.graphics.Color)	4294957449 (0xFFFFD989)
YUV	219.2420, -40.5453, 31.3598
Hunter-Lab	85.2595, -1.4320, 36.0521

Details

The Yxy color **72.6919, 0.3982, 0.4101** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.2067, 0.2330, 0.2304**, and the grayscale version is **71.2713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **38.2323, 0.4167, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **67.9082, 0.4192, 0.4256**, and if you desaturate by 10%, it is **77.8467, 0.3774, 0.3929**.

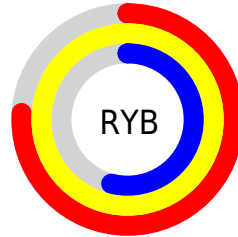
Distribution



Red (100%)

Green (85%)

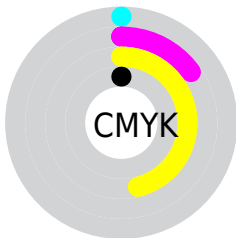
Blue (54%)



Red (76%)

Yellow (100%)

Blue (54%)

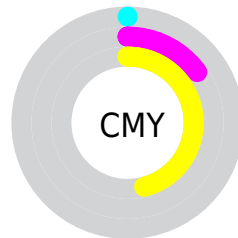


Cyan (0%)

Magenta (15%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6919, 0.3982, 0.4101 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 72.6919, 0.3982, 0.4101 by changing the saturation by 10% instead.


 72.6919, 0.3982,
0.4101


 72.6919, 0.3982,
0.4101


469.9463, 0.3596,
0.3740

 53.7241, 0.4065,
0.4177


 123.0397, 0.3851,
0.3980

 38.3811, 0.4165,
0.4268


 155.1885, 0.3800,
0.3932

 26.2786, 0.4285,
0.4375


 192.4997, 0.3754,
0.3889

 17.0322, 0.4430,
0.4503

235.3578, 0.3715,
0.3852

 10.2574, 0.4604,
0.4650

284.1471, 0.3680,
0.3819

 5.5700, 0.4857,
0.4861

339.2520, 0.3649,

 2.5854, 0.5034,

0.3790

0.4966

401.0569, 0.3621,
0.3764

■ 0.9193, 0.5099,
0.4901

■ 0.0000, 0.0000,
0.0000

■ 72.6919, 0.3982,
0.4101

■ 72.6919, 0.3982,
0.4101

■ 67.9082, 0.4192,
0.4256

■ 77.8467, 0.3774,
0.3929

■ 63.4992, 0.4396,
0.4382

■ 83.4057, 0.3577,
0.3749

■ 59.4414, 0.4585,
0.4468

■ 89.3757, 0.3393,
0.3569

■ 55.7152, 0.4747,
0.4505

■ 95.7691, 0.3225,
0.3395

■ 52.2970, 0.4877,
0.4490

100.0000, 0.3127,
0.3290

■ 51.0893, 0.4920,
0.4476

Harmonies

Analogous

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



72.6919, 0.4189, 0.3750



72.6919, 0.3982, 0.4101



72.6919, 0.3551, 0.4261

Triad

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



72.6919, 0.3982, 0.4101



72.6919, 0.2250, 0.3127



72.6919, 0.3157, 0.2626

Complementary

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



72.6919, 0.3982, 0.4101



43.2067, 0.2330, 0.2304

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.



72.6919, 0.2654, 0.2461



72.6919, 0.3982, 0.4101



72.6919, 0.2165, 0.2702

Square

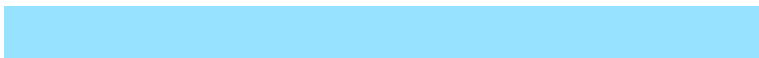
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6919, 0.3982, 0.4101



72.6919, 0.2554, 0.3665



72.6919, 0.2306, 0.2479



72.6919, 0.3695, 0.2935

Rectangle

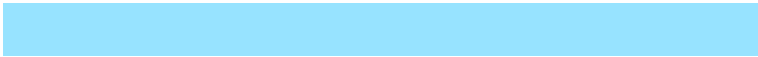
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6919, 0.3982, 0.4101



72.6919, 0.3203, 0.4198



72.6919, 0.2306, 0.2479



72.6919, 0.2978, 0.2553

Sweetspot

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



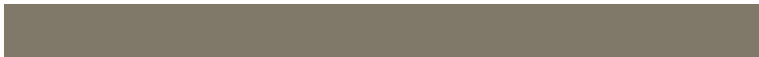
72.6856, 0.3982, 0.4101



90.7905, 0.3353, 0.3529



42.3014, 0.3957, 0.2883



19.1452, 0.3391, 0.3567



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.



72.6856, 0.3982, 0.4101



68.0331, 0.4186, 0.4252



91.0455, 0.3677, 0.4485



20.0461, 0.3277, 0.3451



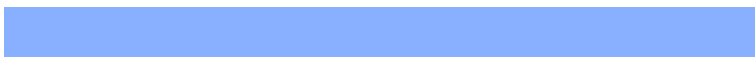
26.9776, 0.4905, 0.4488



2.8249, 0.4803, 0.4569

Inverse Universe

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



43.2067, 0.2330, 0.2304



35.2014, 0.2156, 0.2051



32.2486, 0.2378, 0.1877



18.3331, 0.2979, 0.3124



7.1759, 0.1624, 0.1047



0.8868, 0.1686, 0.1269

Previews

White Background



This preview shows how the Yxy color 72.6919, 0.3982, 0.4101 looks on a white background.

Color Contrast Check

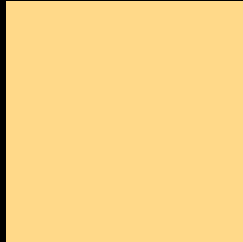
Large Text (above 18pt) WCAG AA × Fail

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 72.6919, 0.3982, 0.4101 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 72.6919, 0.3982, 0.4101

Background



This preview shows how black text looks on a background with the Yxy color 72.6919, 0.3982, 0.4101.



This preview shows how white text looks on a background with the Yxy color 72.6919, 0.3982, 0.4101.

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

72.6919, 0.3982, 0.4101

Protanopia

72.9839, 0.3844, 0.4162

Deuteranopia

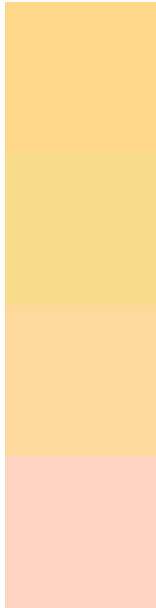
72.7255, 0.3764, 0.3765



Tritanopia

72.6271, 0.3381, 0.3170

Trichromacy



Original Color

72.6919, 0.3982, 0.4101

Protanomaly

72.7955, 0.3898, 0.4140

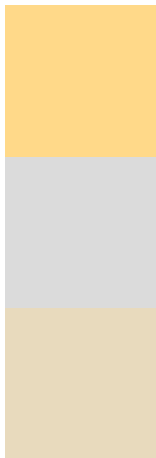
Deuteranomaly

72.8061, 0.3847, 0.3896

Tritanomaly

72.6101, 0.3606, 0.3517

Monochromacy



Original Color

72.6919, 0.3982, 0.4101

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.9727, 0.3432, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6919, 0.3982, 0.4101 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, 217, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 137)  
}
```

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, 217, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 137) }
```

Border

The CSS property to change the border of an element to Yxy 72.6919, 0.3982, 0.4101 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, 217, 137) }
```

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

```
.border{ border-color:rgb(255, 217, 137) }
```

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

Here you see how a box with a 4 pixel rgb(255, 217, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6919, 0.3982, 0.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 137) }
```

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

```
.background{ background-color: rgb(255,  
217, 137) }
```

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