

Converting Colors

$Y_{xy}(72.8633, 0.3985, 0.4112)$

Have a look what the booklet for
Yxy(72.8633, 0.3985, 0.4112)
contains.

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Color

Yxy(72.6633, 0.3988, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	FFD988
RGB	255, 217, 136
RGB Percent	100%, 85%, 53%
CMY	0.0001, 0.1490, 0.4667
CMYK	0.00, 0.15, 0.47, 0.00
HSL	41°, 100%, 77%
HSV	41°, 47%, 100%
XYZ	70.4892, 72.6633, 33.6008
YIQ	219.1280, 48.6490, -17.1350

Conversions

Conversions Part 2

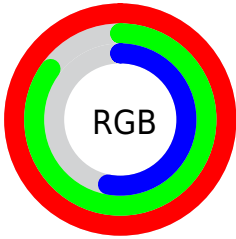
Format	Color
RYB	192, 255, 136
Decimal	16767368
CIELab	88.29, 3.07, 44.65
CIELCh	88, 44.757, 86.066
Yxy	72.6633, 0.3988, 0.4111
Android (android.graphics.Color)	4294957448 (0xFFFFD988)
YUV	219.1280, -40.9821, 31.4597
Hunter-Lab	85.2428, -1.5690, 36.2991

Details

The Yxy color **72.6633, 0.3988, 0.4111** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.7064, 0.2322, 0.2289**, and the grayscale version is **71.1967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **38.2165, 0.4175, 0.4280** is the 20% darker color. If you saturate the color by 10%, you get **67.9349, 0.4197, 0.4266**, and if you desaturate by 10%, it is **77.7777, 0.3781, 0.3939**.

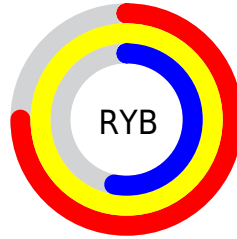
Distribution



Red (100%)

Green (85%)

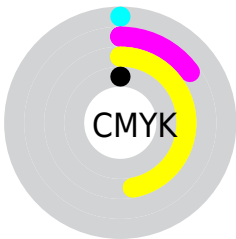
Blue (53%)



Red (75%)

Yellow (100%)

Blue (53%)

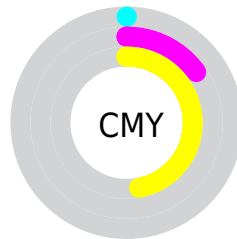


Cyan (0%)

Magenta (15%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6633, 0.3988, 0.4111 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 72.6633, 0.3988, 0.4111 by changing the saturation by 10% instead.

 72.6633, 0.3988,
0.4111


 72.6633, 0.3988,
0.4111


469.8470, 0.3599,
0.3746

 53.7007, 0.4072,
0.4188


 122.9991, 0.3857,
0.3989

 38.3624, 0.4172,
0.4279


 155.1411, 0.3805,
0.3940

 26.2641, 0.4292,
0.4388


 192.4450, 0.3759,
0.3897

 17.0213, 0.4437,
0.4516

235.2952, 0.3719,
0.3859

 10.2497, 0.4610,
0.4664

284.0761, 0.3684,
0.3826

 5.5648, 0.4867,
0.4881

339.1721, 0.3653,

 2.5823, 0.5027,

0.3796

0.4973

400.9676, 0.3625,
0.3770

■ 0.9178, 0.5090,
0.4910

■ 0.0000, 0.0000,
0.0000

■ 72.6633, 0.3988,
0.4111

■ 72.6633, 0.3988,
0.4111

■ 67.9349, 0.4197,
0.4266

■ 77.7777, 0.3781,
0.3939

■ 63.5668, 0.4400,
0.4391

■ 83.2819, 0.3584,
0.3758

■ 59.5453, 0.4586,
0.4476

■ 89.1924, 0.3400,
0.3578

■ 55.8510, 0.4746,
0.4511

■ 95.5214, 0.3231,
0.3402

■ 52.4598, 0.4873,
0.4495

99.9949, 0.3127,
0.3290

■ 51.3843, 0.4911,
0.4483

Harmonies

Analogous

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



72.6633, 0.4200, 0.3757



72.6633, 0.3988, 0.4111



72.6633, 0.3551, 0.4272

Triad

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



72.6633, 0.3988, 0.4111



72.6633, 0.2239, 0.3121



72.6633, 0.3161, 0.2621

Complementary

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



72.6633, 0.3988, 0.4111



42.7064, 0.2322, 0.2289

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.



72.6633, 0.2652, 0.2454



72.6633, 0.3988, 0.4111



72.6633, 0.2156, 0.2693

Square

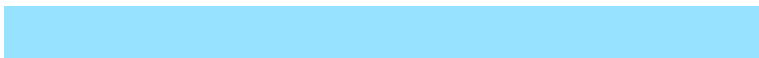
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6633, 0.3988, 0.4111



72.6633, 0.2545, 0.3665



72.6633, 0.2299, 0.2470



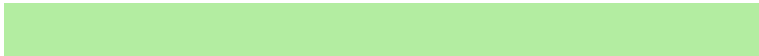
72.6633, 0.3705, 0.2934

Rectangle

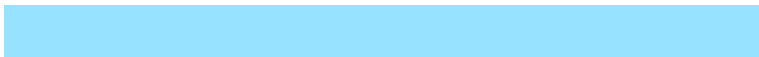
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6633, 0.3988, 0.4111



72.6633, 0.3199, 0.4207



72.6633, 0.2299, 0.2470



72.6633, 0.2980, 0.2547

Sweetspot

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



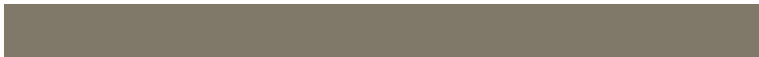
72.6667, 0.3988, 0.4111



90.8577, 0.3353, 0.3530



41.9834, 0.3968, 0.2880



19.1616, 0.3391, 0.3569



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.



72.6667, 0.3988, 0.4111



68.2530, 0.4183, 0.4256



90.9670, 0.3681, 0.4495



20.0560, 0.3277, 0.3451



27.1370, 0.4896, 0.4494



2.8395, 0.4796, 0.4574

Inverse Universe

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



42.7064, 0.2322, 0.2289



35.0487, 0.2155, 0.2045



31.8764, 0.2370, 0.1864



18.3236, 0.2979, 0.3123



7.1115, 0.1622, 0.1039



0.8796, 0.1684, 0.1261

Previews

White Background



This preview shows how the Yxy color 72.6633, 0.3988, 0.4111 looks on a white background.

Color Contrast Check

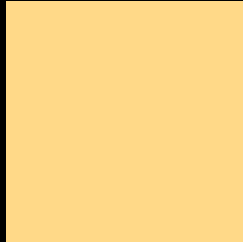
Large Text (above 18pt) WCAG AA × Fail

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 72.6633, 0.3988, 0.4111 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 72.6633, 0.3988, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 72.6633, 0.3988, 0.4111.



This preview shows how white text looks on a background with the Yxy color 72.6633, 0.3988, 0.4111.

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

72.6633, 0.3988, 0.4111

Protanopia

72.9548, 0.3850, 0.4172

Deuteranopia

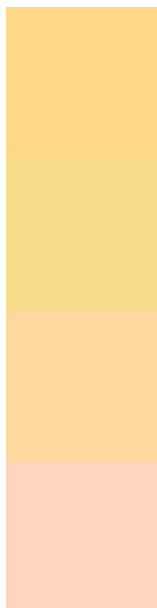
72.7255, 0.3764, 0.3765



Tritanopia

72.6271, 0.3381, 0.3170

Trichromacy



Original Color

72.6633, 0.3988, 0.4111

Protanomaly

72.7667, 0.3905, 0.4150

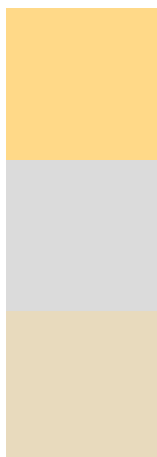
Deuteranomaly

72.8061, 0.3847, 0.3896

Tritanomaly

72.6101, 0.3606, 0.3517

Monochromacy



Original Color

72.6633, 0.3988, 0.4111

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 72.6633, 0.3988, 0.4111 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 136) }
```

Border

The CSS property to change the border of an element to Yxy 72.6633, 0.3988, 0.4111 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, 136) }
```

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

```
.border{ border-color:rgb(255, 217, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
136) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.6633, 0.3988, 0.4111$ 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, 136) }
```

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

```
.background{ background-color: rgb(255,  
217, 136) }
```

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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