

Converting Colors

$Y_{xy}(73.4098, 0.4228, 0.4155)$

Have a look what the booklet for
Yxy(73.4098, 0.4228, 0.4155)
contains.

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Color

Yxy(70.2536, 0.4101, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	FFD57A
RGB	255, 213, 122
RGB Percent	100%, 84%, 48%
CMY	0.0000, 0.1647, 0.5217
CMYK	0.00, 0.16, 0.52, 0.00
HSL	41°, 100%, 74%
HSV	41°, 52%, 100%
XYZ	68.5487, 70.2536, 28.3488
YIQ	215.1840, 54.2430, -19.3970

Conversions

Conversions Part 2

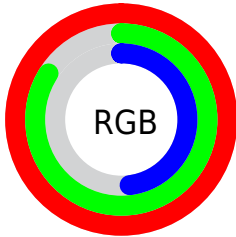
Format	Color
R _Y B	183, 255, 122
Decimal	16766330
CIE Lab	87.12, 3.90, 50.09
CIE LCh	87, 50.238, 85.544
Yxy	70.2536, 0.4101, 0.4203
Android (android.graphics.Color)	4294956410 (0xFFFFD57A)
YUV	215.1840, -45.9397, 34.9186
Hunter-Lab	83.8174, -0.6973, 38.6191

Details

The Yxy color **70.2536, 0.4101, 0.4203** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.8938, 0.2222, 0.2140**, and the grayscale version is **68.3743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **36.9742, 0.4304, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **65.7537, 0.4307, 0.4344**, and if you desaturate by 10%, it is **75.1227, 0.3893, 0.4038**.

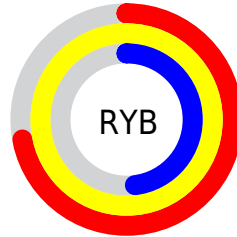
Distribution



Red (100%)

Green (84%)

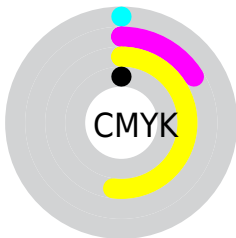
Blue (48%)



Red (72%)

Yellow (100%)

Blue (48%)

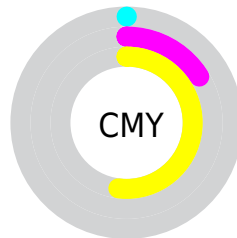


Cyan (0%)

Magenta (16%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2536, 0.4101, 0.4203 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 70.2536, 0.4101, 0.4203 by changing the saturation by 10% instead.


 70.2536, 0.4101,
0.4203


 70.2536, 0.4101,
0.4203


461.4399, 0.3663,
0.3800

 51.7333, 0.4194,
0.4286


 119.5703, 0.3954,
0.4070

 36.7925, 0.4303,
0.4383


 151.1356, 0.3895,
0.4016

 25.0469, 0.4433,
0.4495


 187.8179, 0.3844,
0.3968

 16.1120, 0.4586,
0.4623

230.0017, 0.3799,
0.3927

 9.6034, 0.4759,
0.4759

278.0715, 0.3759,
0.3890

 5.1368, 0.5029,
0.4971

332.4115, 0.3723,

 2.3278, 0.5075,

0.3857

0.4925

393.4062, 0.3692,
0.3827

0.7883, 0.5172,
0.4828

0.0000, 0.0000,
0.0000

70.2536, 0.4101,
0.4203

70.2536, 0.4101,
0.4203

65.7537, 0.4307,
0.4344

75.1227, 0.3893,
0.4038

61.6033, 0.4500,
0.4448

80.3720, 0.3690,
0.3861

57.7854, 0.4671,
0.4507

86.0164, 0.3499,
0.3679

54.2783, 0.4812,
0.4515

92.0684, 0.3322,
0.3499

■ 51.7255, 0.4902,
0.4490

■ 98.5399, 0.3160,
0.3326

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



70.2536, 0.4343, 0.3794



70.2536, 0.4101, 0.4203



70.2536, 0.3607, 0.4408

Triad

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



70.2536, 0.4101, 0.4203



70.2536, 0.2134, 0.3100



70.2536, 0.3151, 0.2538

Complementary

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



70.2536, 0.4101, 0.4203



37.8938, 0.2222, 0.2140

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.



70.2536, 0.2581, 0.2354



70.2536, 0.4101, 0.4203



70.2536, 0.2040, 0.2617

Square

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



70.2536, 0.4101, 0.4203



70.2536, 0.2475, 0.3728



70.2536, 0.2194, 0.2371



70.2536, 0.3772, 0.2881

Rectangle

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



70.2536, 0.4101, 0.4203



70.2536, 0.3210, 0.4347



70.2536, 0.2194, 0.2371



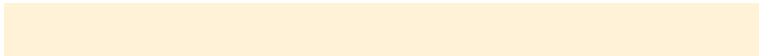
70.2536, 0.2946, 0.2456

Sweetspot

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



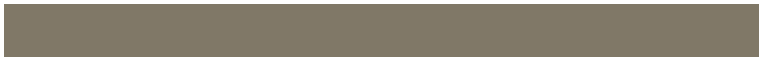
70.2548, 0.4101, 0.4203



89.7010, 0.3388, 0.3567



37.8552, 0.4149, 0.2860



18.9328, 0.3424, 0.3604



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.



70.2548, 0.4101, 0.4203



65.3957, 0.4323, 0.4354



89.8486, 0.3719, 0.4634



20.0666, 0.3277, 0.3452



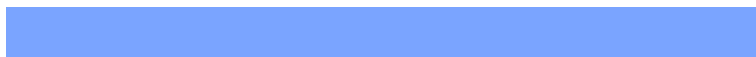
27.3078, 0.4887, 0.4501



2.8552, 0.4788, 0.4580

Inverse Universe

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



37.8938, 0.2222, 0.2140



29.8890, 0.2035, 0.1852



27.2753, 0.2277, 0.1682



18.3134, 0.2979, 0.3123



7.0438, 0.1620, 0.1031



0.8721, 0.1681, 0.1252

Previews

White Background



This preview shows how the Yxy color 70.2536, 0.4101, 0.4203 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 70.2536, 0.4101, 0.4203 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 70.2536, 0.4101, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 70.2536, 0.4101, 0.4203.



This preview shows how white text looks on a background with the Yxy color 70.2536, 0.4101, 0.4203.

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

70.2536, 0.4101, 0.4203

Protanopia

70.6435, 0.3938, 0.4286

Deuteranopia

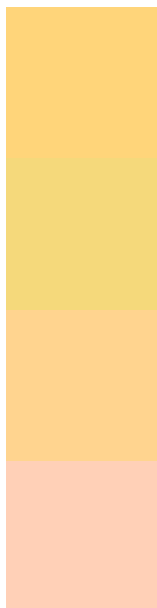
70.2151, 0.3881, 0.3868



Tritanopia

69.9846, 0.3418, 0.3159

Trichromacy



Original Color

70.2536, 0.4101, 0.4203

Protanomaly

70.4682, 0.3994, 0.4261

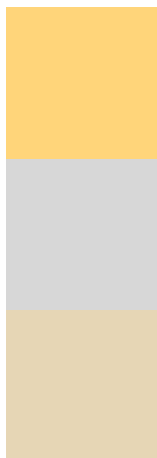
Deuteranomaly

70.3301, 0.3964, 0.3997

Tritanomaly

69.7906, 0.3680, 0.3550

Monochromacy



Original Color

70.2536, 0.4101, 0.4203

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.2523, 0.3482, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2536, 0.4101, 0.4203 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 122) }
```

Border

The CSS property to change the border of an element to Yxy 70.2536, 0.4101, 0.4203 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, 122) }
```

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

```
.border{ border-color:rgb(255, 213, 122) }
```

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, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2536, 0.4101, 0.4203 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
213, 122) }
```

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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