

Converting Colors

$Y_{xy}(70.1329, 0.4132, 0.4247)$

Have a look what the booklet for
Yxy(70.1329, 0.4132, 0.4247)
contains.

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Color

Yxy(70.1329, 0.4132, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	FFD575
RGB	255, 213, 117
RGB Percent	100%, 84%, 46%
CMY	0.0002, 0.1646, 0.5412
CMYK	0.00, 0.16, 0.54, 0.00
HSL	42°, 100%, 73%
HSV	42°, 54%, 100%
XYZ	68.2338, 70.1329, 26.7684
YIQ	214.6140, 55.8480, -20.9520

Conversions

Conversions Part 2

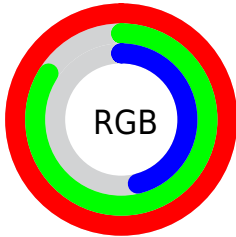
Format	Color
RYB	177, 255, 117
Decimal	16766325
CIELab	87.06, 3.47, 52.40
CIElCh	87, 52.518, 86.211
Yxy	70.1329, 0.4132, 0.4247
Android (android.graphics.Color)	4294956405 (0xFFFFD575)
YUV	214.6140, -48.1237, 35.4185
Hunter-Lab	83.7454, -1.1167, 39.6703

Details

The Yxy color **70.1329, 0.4132, 0.4247** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.7724, 0.2183, 0.2067**, and the grayscale version is **67.9831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **36.9137, 0.4338, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **65.8093, 0.4332, 0.4384**, and if you desaturate by 10%, it is **74.8128, 0.3927, 0.4084**.

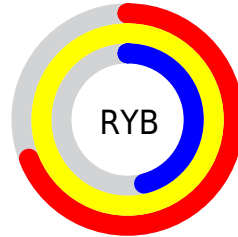
Distribution



Red (100%)

Green (84%)

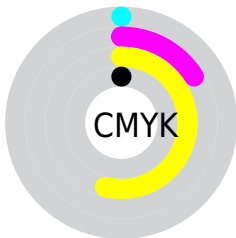
Blue (46%)



Red (69%)

Yellow (100%)

Blue (46%)

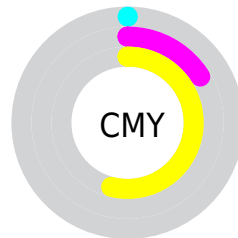


Cyan (0%)

Magenta (16%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1329, 0.4132, 0.4247 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 70.1329, 0.4132, 0.4247 by changing the saturation by 10% instead.


 70.1329, 0.4132,
0.4247


 70.1329, 0.4132,
0.4247


461.0165, 0.3682,
0.3826


 51.6349, 0.4226,
0.4333

 119.3983, 0.3982,
0.4108

 36.7141, 0.4337,
0.4433


 150.9344, 0.3922,
0.4052

 24.9862, 0.4467,
0.4547


 187.5854, 0.3869,
0.4002

 16.0668, 0.4617,
0.4676

229.7356, 0.3822,
0.3959

 9.5714, 0.4784,
0.4811

277.7694, 0.3781,
0.3920

 5.1157, 0.5012,
0.4988

332.0712, 0.3745,

 2.3153, 0.5053,

0.3885

0.4947

393.0255, 0.3712,
0.3854

0.7818, 0.5143,
0.4857

0.0000, 0.0000,
0.0000

70.1329, 0.4132,
0.4247

70.1329, 0.4132,
0.4247

65.8093, 0.4332,
0.4384

74.8128, 0.3927,
0.4084

61.8157, 0.4517,
0.4482

79.8537, 0.3726,
0.3905

58.1372, 0.4678,
0.4534

85.2721, 0.3533,
0.3721

54.7517, 0.4807,
0.4534

91.0806, 0.3354,
0.3537

■ 52.8780, 0.4870,
0.4515

■ 97.2909, 0.3190,
0.3360

99.9923, 0.3127,
0.3290

Harmonies

Analogous

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



70.1329, 0.4395, 0.3820



70.1329, 0.4132, 0.4247



70.1329, 0.3611, 0.4462

Triad

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



70.1329, 0.4132, 0.4247



70.1329, 0.2088, 0.3075



70.1329, 0.3165, 0.2514

Complementary

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



70.1329, 0.4132, 0.4247



35.7724, 0.2183, 0.2067

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.



70.1329, 0.2568, 0.2319



70.1329, 0.4132, 0.4247



70.1329, 0.1998, 0.2578

Square

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



70.1329, 0.4132, 0.4247



70.1329, 0.2435, 0.3733



70.1329, 0.2163, 0.2330



70.1329, 0.3814, 0.2872

Rectangle

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



70.1329, 0.4132, 0.4247



70.1329, 0.3196, 0.4395



70.1329, 0.2163, 0.2330



70.1329, 0.2951, 0.2428

Sweetspot

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



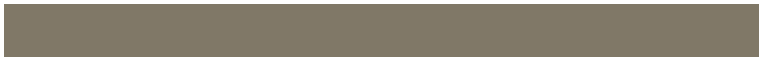
70.1362, 0.4132, 0.4247



89.9860, 0.3387, 0.3572



36.5361, 0.4208, 0.2848



19.0011, 0.3423, 0.3609



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.



70.1362, 0.4132, 0.4247



65.4649, 0.4349, 0.4394



89.5460, 0.3735, 0.4679



20.1039, 0.3277, 0.3455



27.9154, 0.4856, 0.4526



2.9108, 0.4762, 0.4601

Inverse Universe

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



35.7724, 0.2183, 0.2067



28.0055, 0.1996, 0.1774



25.7156, 0.2240, 0.1617



18.2780, 0.2979, 0.3120



6.8123, 0.1612, 0.1003



0.8460, 0.1673, 0.1223

Previews

White Background



This preview shows how the Yxy color 70.1329, 0.4132, 0.4247 looks on a white background.

Color Contrast Check

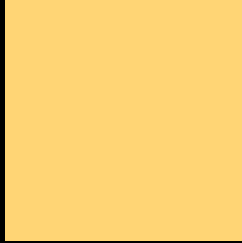
Large Text (above 18pt) WCAG AA × Fail

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 70.1329, 0.4132, 0.4247 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 70.1329, 0.4132, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 70.1329, 0.4132, 0.4247.



This preview shows how white text looks on a background with the Yxy color 70.1329, 0.4132, 0.4247.

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

70.1329, 0.4132, 0.4247

Protanopia

70.0000, 0.3974, 0.4323

Deuteranopia

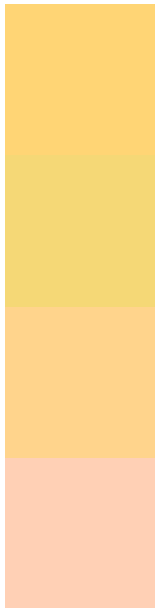
70.1484, 0.3896, 0.3888



Tritanopia

69.9324, 0.3425, 0.3169

Trichromacy



Original Color

70.1329, 0.4132, 0.4247

Protanomaly

69.8322, 0.4030, 0.4298

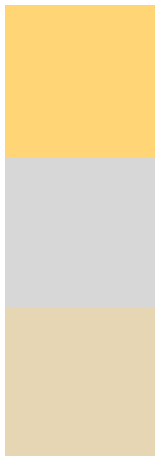
Deuteranomaly

70.2404, 0.3985, 0.4026

Tritanomaly

69.7079, 0.3695, 0.3571

Monochromacy



Original Color

70.1329, 0.4132, 0.4247

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.1708, 0.3496, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1329, 0.4132, 0.4247 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 117) }
```

Border

The CSS property to change the border of an element to Yxy 70.1329, 0.4132, 0.4247 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, 117) }
```

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

```
.border{ border-color:rgb(255, 213, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 213, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 213, 117); box-shadow:4px 4px 4px 4px rgb(255, 213, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1329, 0.4132, 0.4247 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, 117) }
```

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

```
.background{ background-color: rgb(255,  
213, 117) }
```

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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