

Converting Colors

$Y_{xy}(86.6373, 0.4549, 0.3939)$

Have a look what the booklet for
Yxy(86.6373, 0.4549, 0.3939)
contains.

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Color

Yxy(71.0191, 0.4030, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	FFD684
RGB	255, 214, 132
RGB Percent	100%, 84%, 52%
CMY	0.0000, 0.1608, 0.4825
CMYK	0.00, 0.16, 0.48, 0.00
HSL	40°, 100%, 76%
HSV	40°, 48%, 100%
XYZ	69.4509, 71.0191, 31.8647
YIQ	216.9110, 50.7580, -16.8100

Conversions

Conversions Part 2

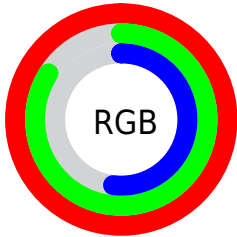
Format	Color
RYB	194, 255, 132
Decimal	16766596
CIELab	87.49, 4.25, 45.65
CIELCh	87, 45.852, 84.677
Yxy	71.0191, 0.4030, 0.4121
Android (android.graphics.Color)	4294956676 (0xFFFFD684)
YUV	216.9110, -41.8611, 33.4041
Hunter-Lab	84.2728, -0.3722, 36.5726

Details

The Yxy color **71.0191, 0.4030, 0.4121** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.9948, 0.2298, 0.2270**, and the grayscale version is **69.5894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **37.4566, 0.4222, 0.4299** is the 20% darker color. If you saturate the color by 10%, you get **66.2176, 0.4243, 0.4269**, and if you desaturate by 10%, it is **76.2205, 0.3819, 0.3954**.

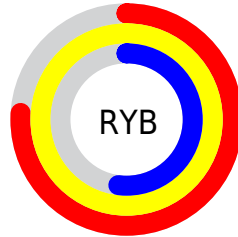
Distribution



Red (100%)

Green (84%)

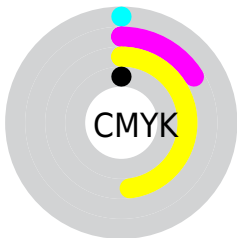
Blue (52%)



Red (76%)

Yellow (100%)

Blue (52%)

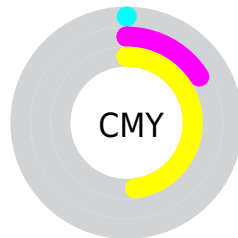


Cyan (0%)

Magenta (16%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0191, 0.4030, 0.4121 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 71.0191, 0.4030, 0.4121 by changing the saturation by 10% instead.

 71.0191, 0.4030,
0.4121


 71.0191, 0.4030,
0.4121


464.1202, 0.3621,
0.3752


 52.3578, 0.4118,
0.4198

 120.6609, 0.3892,
0.3998

 37.2903, 0.4223,
0.4290


 152.4102, 0.3837,
0.3948

 25.4324, 0.4350,
0.4397


 189.2910, 0.3789,
0.3905

 16.3995, 0.4502,
0.4522

231.6875, 0.3747,
0.3867

 9.8073, 0.4682,
0.4664

279.9844, 0.3710,
0.3833

 5.2714, 0.4984,
0.4902

334.5658, 0.3677,

 2.4073, 0.5091,

0.3803

0.4909

395.8163, 0.3647,
0.3776

0.8297, 0.5185,
0.4815

0.0000, 0.0000,
0.0000

71.0191, 0.4030,
0.4121

71.0191, 0.4030,
0.4121

66.2176, 0.4243,
0.4269

76.2205, 0.3819,
0.3954

61.7925, 0.4450,
0.4386

81.8290, 0.3617,
0.3777

57.7284, 0.4639,
0.4461

87.8607, 0.3429,
0.3600

54.0047, 0.4800,
0.4485

94.3285, 0.3257,
0.3427

■ 50.5944, 0.4929,
0.4459

100.0000, 0.3127,
0.3290

■ 50.0232, 0.4950,
0.4452

Harmonies

Analogous

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



71.0191, 0.4237, 0.3749



71.0191, 0.4030, 0.4121



71.0191, 0.3586, 0.4304

Triad

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



71.0191, 0.4030, 0.4121



71.0191, 0.2223, 0.3138



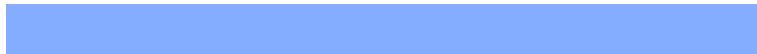
71.0191, 0.3135, 0.2591

Complementary

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



71.0191, 0.4030, 0.4121



41.9948, 0.2298, 0.2270

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.



71.0191, 0.2616, 0.2426



71.0191, 0.4030, 0.4121



71.0191, 0.2127, 0.2689

Square

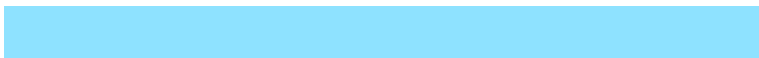
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.0191, 0.4030, 0.4121



71.0191, 0.2546, 0.3703



71.0191, 0.2263, 0.2451



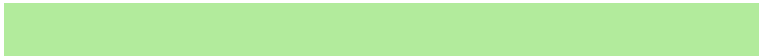
71.0191, 0.3699, 0.2906

Rectangle

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



71.0191, 0.4030, 0.4121



71.0191, 0.3225, 0.4249



71.0191, 0.2263, 0.2451



71.0191, 0.2949, 0.2517

Sweetspot

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



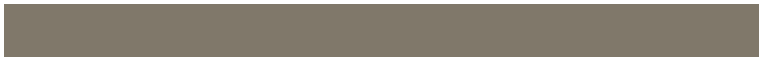
71.0216, 0.4030, 0.4121



90.5544, 0.3354, 0.3525



40.7698, 0.4011, 0.2867



19.0874, 0.3392, 0.3563



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.



71.0216, 0.4030, 0.4121



66.3322, 0.4238, 0.4266



90.7613, 0.3697, 0.4533



20.0111, 0.3277, 0.3448



26.4242, 0.4934, 0.4464



2.7739, 0.4828, 0.4549

Inverse Universe

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



41.9948, 0.2298, 0.2270



34.2562, 0.2127, 0.2019



30.4346, 0.2339, 0.1810



18.3665, 0.2979, 0.3127



7.4082, 0.1632, 0.1075



0.9125, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 71.0191, 0.4030, 0.4121 looks on a white background.

Color Contrast Check

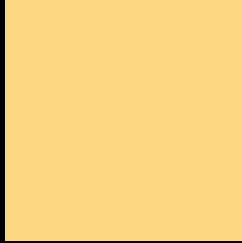
Large Text (above 18pt) WCAG AA × Fail

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 71.0191, 0.4030, 0.4121 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 71.0191, 0.4030, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 71.0191, 0.4030, 0.4121.



This preview shows how white text looks on a background with the Yxy color 71.0191, 0.4030, 0.4121.

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

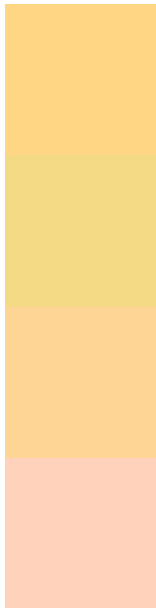




Tritanopia

71.0001, 0.3407, 0.3169

Trichromacy



Original Color

71.0191, 0.4030, 0.4121

Protanomaly

71.2487, 0.3925, 0.4176

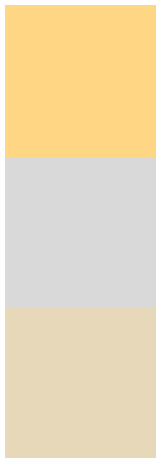
Deuteranomaly

71.0505, 0.3909, 0.3938

Tritanomaly

70.9410, 0.3644, 0.3529

Monochromacy



Original Color

71.0191, 0.4030, 0.4121

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.6458, 0.3449, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0191, 0.4030, 0.4121 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, 214, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 132)  
}
```

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, 214, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 132) }
```

Border

The CSS property to change the border of an element to Yxy 71.0191, 0.4030, 0.4121 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, 214, 132) }
```

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

```
.border{ border-color:rgb(255, 214, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0191, 0.4030, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 132) }
```

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

```
.background{ background-color: rgb(255,  
214, 132) }
```

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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