

Converting Colors

$Y_{xy}(101.8958, 0.4860, 0.3824)$

Have a look what the booklet for
Yxy(101.8958, 0.4860, 0.3824)
contains.

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Color

Yxy(71.0466, 0.4023, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	FFD685
RGB	255, 214, 133
RGB Percent	100%, 84%, 52%
CMY	0.0000, 0.1608, 0.4783
CMYK	0.00, 0.16, 0.48, 0.00
HSL	40°, 100%, 76%
HSV	40°, 48%, 100%
XYZ	69.5258, 71.0466, 32.2483
YIQ	217.0250, 50.4370, -16.4990

Conversions

Conversions Part 2

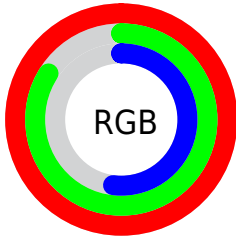
Format	Color
R_{YB}	195, 255, 133
Decimal	16766597
CIE _{Lab}	87.51, 4.36, 45.15
CIE _{LCh}	88, 45.356, 84.487
Yxy	71.0466, 0.4023, 0.4111
Android (android.graphics.Color)	4294956677 (0xFFFFD685)
YUV	217.0250, -41.4243, 33.3041
Hunter-Lab	84.2891, -0.2705, 36.3185

Details

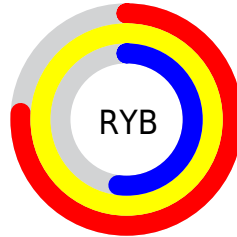
The Yxy color **71.0466, 0.4023, 0.4111** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.4917, 0.2306, 0.2286**, and the grayscale version is **69.6706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **37.1261, 0.4222, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **66.2003, 0.4237, 0.4259**, and if you desaturate by 10%, it is **76.2934, 0.3811, 0.3944**.

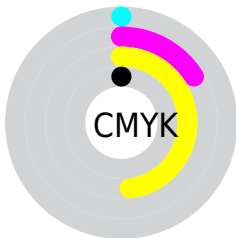
Distribution



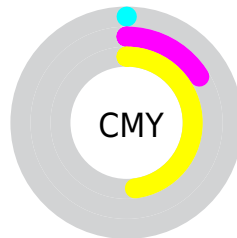
- Red (100%)
- Green (84%)
- Blue (52%)



- 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 71.0466, 0.4023, 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 71.0466, 0.4023, 0.4111 by changing the saturation by 10% instead.

 71.0466, 0.4023,
0.4111

 71.0466, 0.4023,
0.4111


464.2163, 0.3617,
0.3746

 52.3802, 0.4111,
0.4188


 120.7001, 0.3886,
0.3989

 37.3082, 0.4216,
0.4278


 152.4560, 0.3831,
0.3940

 25.4462, 0.4342,
0.4385


 189.3438, 0.3783,
0.3898

 16.4098, 0.4494,
0.4509

231.7480, 0.3742,
0.3860

 9.8146, 0.4675,
0.4650

280.0530, 0.3705,
0.3827

 5.2762, 0.4971,
0.4882

334.6431, 0.3672,

 2.4102, 0.5096,

0.3797

0.4904

395.9027, 0.3643,
0.3770

0.8311, 0.5192,
0.4808

0.0000, 0.0000,
0.0000

71.0466, 0.4023,
0.4111

71.0466, 0.4023,
0.4111

66.2003, 0.4237,
0.4259

76.2934, 0.3811,
0.3944

61.7368, 0.4446,
0.4377

81.9537, 0.3610,
0.3768

57.6388, 0.4637,
0.4454

88.0419, 0.3422,
0.3591

53.8857, 0.4801,
0.4480

94.5708, 0.3250,
0.3419

■ 50.4513, 0.4932,
0.4454

100.0000, 0.3127,
0.3290

■ 49.7414, 0.4958,
0.4445

Harmonies

Analogous

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



71.0466, 0.4225, 0.3742



71.0466, 0.4023, 0.4111



71.0466, 0.3585, 0.4292

Triad

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



71.0466, 0.4023, 0.4111



71.0466, 0.2233, 0.3144



71.0466, 0.3132, 0.2596

Complementary

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



71.0466, 0.4023, 0.4111



42.4917, 0.2306, 0.2286

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.



71.0466, 0.2618, 0.2434



71.0466, 0.4023, 0.4111



71.0466, 0.2137, 0.2698

Square

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



71.0466, 0.4023, 0.4111



71.0466, 0.2555, 0.3702



71.0466, 0.2270, 0.2460



71.0466, 0.3690, 0.2907

Rectangle

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



71.0466, 0.4023, 0.4111



71.0466, 0.3228, 0.4239



71.0466, 0.2270, 0.2460



71.0466, 0.2948, 0.2523

Sweetspot

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



71.0471, 0.4023, 0.4111



90.4912, 0.3354, 0.3524



41.1660, 0.3976, 0.2850



19.0720, 0.3392, 0.3562



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.



71.0471, 0.4023, 0.4111



66.5889, 0.4220, 0.4248



91.1679, 0.3707, 0.4517



20.0017, 0.3278, 0.3447



26.2778, 0.4942, 0.4458



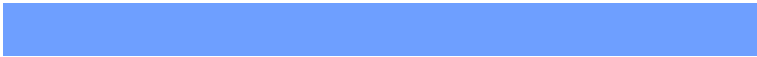
2.7604, 0.4835, 0.4543

Inverse Universe

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



42.4917, 0.2306, 0.2286



35.1402, 0.2145, 0.2051



30.6129, 0.2333, 0.1819



18.3755, 0.2979, 0.3128



7.4719, 0.1634, 0.1082



0.9196, 0.1696, 0.1306

Previews

White Background



This preview shows how the Yxy color 71.0466, 0.4023, 0.4111 looks on a white background.

Color Contrast Check

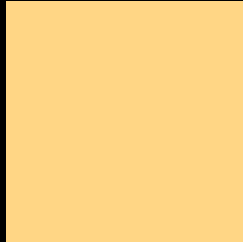
Large Text (above 18pt) WCAG AA × Fail

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 71.0466, 0.4023, 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 71.0466, 0.4023, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 71.0466, 0.4023, 0.4111.



This preview shows how white text looks on a background with the Yxy color 71.0466, 0.4023, 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

71.0466, 0.4023, 0.4111

Protanopia

71.4609, 0.3863, 0.4189

Deuteranopia

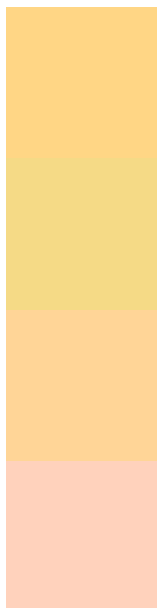
70.9202, 0.3833, 0.3817



Tritanopia

71.0001, 0.3407, 0.3169

Trichromacy



Original Color

71.0466, 0.4023, 0.4111

Protanomaly

71.2765, 0.3918, 0.4166

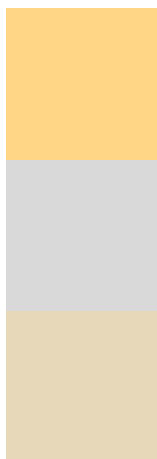
Deuteranomaly

71.0829, 0.3902, 0.3928

Tritanomaly

70.9840, 0.3636, 0.3518

Monochromacy



Original Color

71.0466, 0.4023, 0.4111

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 71.0466, 0.4023, 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, 214, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 133) }
```

Border

The CSS property to change the border of an element to Yxy 71.0466, 0.4023, 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, 214, 133) }
```

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

```
.border{ border-color:rgb(255, 214, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0466, 0.4023, 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, 214, 133) }
```

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

```
.background{ background-color: rgb(255,  
214, 133) }
```

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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