

Converting Colors

$Y_{xy}(70.6881, 0.4330, 0.4164)$

Have a look what the booklet for
Yxy(70.6881, 0.4330, 0.4164)
contains.

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Color

Yxy(67.1006, 0.4187, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF72
RGB	255, 207, 114
RGB Percent	100%, 81%, 45%
CMY	0.0000, 0.1882, 0.5531
CMYK	0.00, 0.19, 0.55, 0.00
HSL	40°, 100%, 72%
HSV	40°, 55%, 100%
XYZ	66.5917, 67.1006, 25.3516
YIQ	210.7500, 58.4610, -18.7470

Conversions

Conversions Part 2

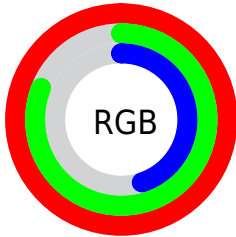
Format	Color
R_{YB}	187, 255, 114
Decimal	16764786
CIE Lab	85.55, 6.35, 52.05
CIE LCh	86, 52.440, 83.049
Yxy	67.1006, 0.4187, 0.4219
Android (android.graphics.Color)	4294954866 (0xFFFFCF72)
YUV	210.7500, -47.6977, 38.8073
Hunter-Lab	81.9150, 1.7580, 38.9910

Details

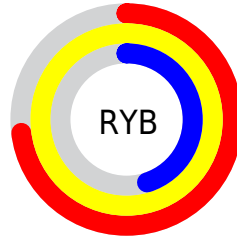
The Yxy color **67.1006, 0.4187, 0.4219** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.6238, 0.2176, 0.2102**, and the grayscale version is **65.2580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **34.7324, 0.4405, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **62.5096, 0.4399, 0.4345**, and if you desaturate by 10%, it is **72.0869, 0.3971, 0.4066**.

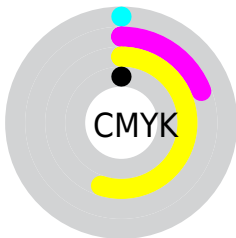
Distribution



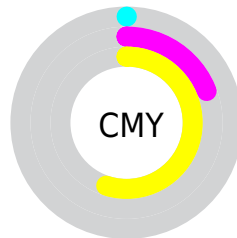
- Red (100%)
- Green (81%)
- Blue (45%)



- Red (73%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (19%)
- Yellow (55%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.1006, 0.4187, 0.4219 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 67.1006, 0.4187, 0.4219 by changing the saturation by 10% instead.


 67.1006, 0.4187,
0.4219

 67.1006, 0.4187,
0.4219


450.3028, 0.3707,
0.3812

 49.1664, 0.4289,
0.4301


 115.0645, 0.4026,
0.4085

 34.7515, 0.4409,
0.4396


 145.8631, 0.3961,
0.4031

 23.4715, 0.4550,
0.4503


 181.7185, 0.3905,
0.3983

 14.9420, 0.4714,
0.4620

223.0152, 0.3856,
0.3941

 8.7787, 0.4907,
0.4744

270.1376, 0.3812,
0.3903

 4.5971, 0.5134,
0.4866

323.4700, 0.3773,

 2.0129, 0.5215,

0.3869

0.4785

383.3970, 0.3739,
0.3839

■ 0.6149, 0.5460,
0.4540

■ 0.0000, 0.0000,
0.0000

■ 67.1006, 0.4187,
0.4219

■ 67.1006, 0.4187,
0.4219

■ 62.5096, 0.4399,
0.4345

■ 72.0869, 0.3971,
0.4066

■ 58.2929, 0.4598,
0.4432

■ 77.4808, 0.3761,
0.3896

■ 54.4318, 0.4771,
0.4470

■ 83.2980, 0.3561,
0.3720

■ 50.9024, 0.4912,
0.4456

■ 89.5522, 0.3377,
0.3545

49.3457, 0.4970,
0.4436

96.2560, 0.3209,
0.3376

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.



67.1006, 0.4418, 0.3773



67.1006, 0.4187, 0.4219



67.1006, 0.3679, 0.4471

Triad

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



67.1006, 0.4187, 0.4219



67.1006, 0.2100, 0.3137



67.1006, 0.3095, 0.2476

Complementary

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



67.1006, 0.4187, 0.4219



36.6238, 0.2176, 0.2102

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.



67.1006, 0.2507, 0.2299



67.1006, 0.4187, 0.4219



67.1006, 0.1982, 0.2609

Square

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



67.1006, 0.4187, 0.4219



67.1006, 0.2477, 0.3810



67.1006, 0.2122, 0.2333



67.1006, 0.3758, 0.2822

Rectangle

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



67.1006, 0.4187, 0.4219



67.1006, 0.3263, 0.4435



67.1006, 0.2122, 0.2333



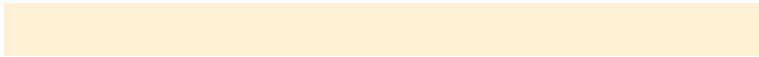
67.1006, 0.2882, 0.2395

Sweetspot

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



67.1018, 0.4187, 0.4219



88.4615, 0.3407, 0.3575



35.9439, 0.4186, 0.2792



18.6611, 0.3443, 0.3610



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.



67.1018, 0.4187, 0.4219



62.2051, 0.4414, 0.4352



90.2005, 0.3778, 0.4689



19.9884, 0.3278, 0.3446



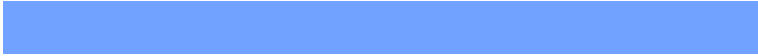
26.0723, 0.4954, 0.4449



2.7414, 0.4844, 0.4536

Inverse Universe

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



36.6238, 0.2176, 0.2102



29.1712, 0.2000, 0.1827



24.4089, 0.2184, 0.1565



18.3882, 0.2979, 0.3129



7.5632, 0.1637, 0.1093



0.9296, 0.1699, 0.1317

Previews

White Background



This preview shows how the Yxy color 67.1006, 0.4187, 0.4219 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 67.1006, 0.4187, 0.4219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

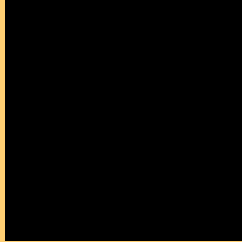
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.1006, 0.4187, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 67.1006, 0.4187, 0.4219.



This preview shows how white text looks on a background with the Yxy color 67.1006, 0.4187, 0.4219.

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

67.1006, 0.4187, 0.4219

Protanopia

67.1870, 0.3981, 0.4329

Deuteranopia

67.2088, 0.4035, 0.3998



Tritanopia

66.8603, 0.3474, 0.3158

Trichromacy



Original Color

67.1006, 0.4187, 0.4219

Protanomaly

66.8810, 0.4060, 0.4287

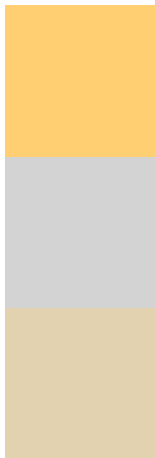
Deuteranomaly

66.9876, 0.4092, 0.4074

Tritanomaly

66.6356, 0.3752, 0.3562

Monochromacy



Original Color

67.1006, 0.4187, 0.4219

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.5587, 0.3504, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1006, 0.4187, 0.4219 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, 207, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 114)  
}
```

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, 207, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 114) }
```

Border

The CSS property to change the border of an element to Yxy 67.1006, 0.4187, 0.4219 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, 207, 114) }
```

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

```
.border{ border-color:rgb(255, 207, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1006, 0.4187, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 114) }
```

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

```
.background{ background-color: rgb(255,  
207, 114) }
```

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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