

Converting Colors

$Yxy(77.4246, 0.4102, 0.4488)$

Have a look what the booklet for
Yxy(77.4246, 0.4102, 0.4488)
contains.

Yxy(77.3689, 0.4103, 0.4487)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.3689, 0.4103, 0.4487)

Conversions

Conversions Part 1

Format	Color
Hex	FDE468
RGB	253, 228, 104
RGB Percent	99%, 89%, 41%
CMY	0.0079, 0.1058, 0.5920
CMYK	0.00, 0.10, 0.59, 0.01
HSL	50°, 97%, 70%
HSV	50°, 59%, 99%
XYZ	70.7476, 77.3689, 24.3125
YIQ	221.3390, 54.7040, -33.2640

Conversions

Conversions Part 2

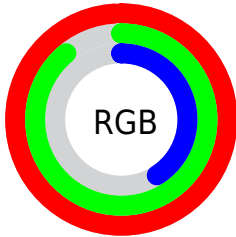
Format	Color
RYB	134, 253, 104
Decimal	16639080
CIELab	90.49, -5.88, 62.27
CIElCh	90, 62.547, 95.393
Yxy	77.3689, 0.4103, 0.4487
Android (android.graphics.Color)	4294829160 (0xFFFDE468)
YUV	221.3390, -57.8481, 27.7667
Hunter-Lab	87.9596, -10.3582, 45.1836

Details

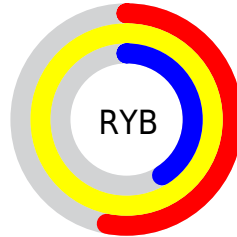
The Yxy color **77.3689, 0.4103, 0.4487** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **25.7419, 0.2042, 0.1680**, and the grayscale version is **72.9468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2832, 0.3695, 0.4228**, and **41.4463, 0.4267, 0.4717** is the 20% darker color. If you saturate the color by 10%, you get **74.6274, 0.4247, 0.4628**, and if you desaturate by 10%, it is **80.3292, 0.3941, 0.4313**.

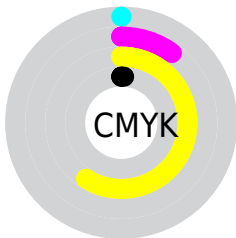
Distribution



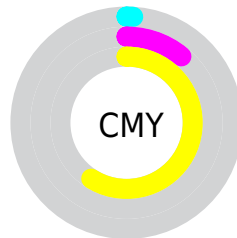
- Red (99%)
- Green (89%)
- Blue (41%)



- Red (53%)
- Yellow (99%)
- Blue (41%)



- Cyan (0%)
- Magenta (10%)
- Yellow (59%)
- Black (1%)





- Cyan (1%)
- Magenta (11%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3689, 0.4103, 0.4487 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 77.3689, 0.4103, 0.4487 by changing the saturation by 10% instead.


 77.3689, 0.4103,
0.4487


 77.3689, 0.4103,
0.4487


486.0209, 0.3690,
0.3964

 57.5557, 0.4183,
0.4593


 129.6601, 0.3971,
0.4316

 41.4516, 0.4272,
0.4714


 162.9069, 0.3916,
0.4246

 28.6721, 0.4370,
0.4853


 201.4003, 0.3867,
0.4184

 18.8329, 0.4473,
0.5008

 245.5247, 0.3824,
0.4130

 11.5496, 0.4579,
0.5184

295.6646, 0.3785,
0.4081

 6.4378, 0.4650,
0.5350

352.2044, 0.3750,

 3.1131, 0.4588,

0.4038

0.5412

415.5283, 0.3718,
0.3999

■ 1.1910, 0.4479,
0.5521

■ 0.0544, 0.0000,
1.0000

■ 77.3689, 0.4103,
0.4487

■ 77.3689, 0.4103,
0.4487

■ 74.6274, 0.4247,
0.4628

■ 80.3292, 0.3941,
0.4313

■ 72.0790, 0.4368,
0.4726


■ 83.5101, 0.3770,
0.4114


■ 69.7101, 0.4460,
0.4777


■ 86.9271, 0.3597,
0.3903


■ 67.4955, 0.4524,
0.4785

■ 90.5906, 0.3426,
0.3686

 67.2521, 0.4531,
0.4784

 94.5106, 0.3263,
0.3473

 98.6424, 0.3115,
0.3275

 99.6197, 0.3115,
0.3290

Harmonies

Analogous

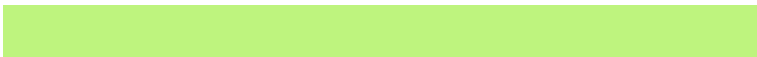
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3689, 0.4523, 0.4033



77.3689, 0.4103, 0.4487



77.3689, 0.3450, 0.4645

Triad

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



77.3689, 0.4103, 0.4487



77.3689, 0.1888, 0.2828



77.3689, 0.3398, 0.2519

Complementary

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



77.3689, 0.4103, 0.4487



25.7419, 0.2042, 0.1680

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.



77.3689, 0.2674, 0.2240



77.3689, 0.4103, 0.4487



77.3689, 0.1880, 0.2356

Square

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



77.3689, 0.4103, 0.4487



77.3689, 0.2184, 0.3558



77.3689, 0.2146, 0.2173



77.3689, 0.4119, 0.2959

Rectangle

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



77.3689, 0.4103, 0.4487



77.3689, 0.2974, 0.4471



77.3689, 0.2146, 0.2173



77.3689, 0.3144, 0.2405

Sweetspot

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



77.3725, 0.4103, 0.4487



92.5758, 0.3412, 0.3668



32.4375, 0.4622, 0.3024



19.5755, 0.3461, 0.3731



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.



77.3725, 0.4103, 0.4487



75.4108, 0.4276, 0.4653



84.3370, 0.3634, 0.4863



20.5417, 0.3273, 0.3486



35.9676, 0.4525, 0.4789



3.6334, 0.4480, 0.4825

Inverse Universe

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



25.7419, 0.2042, 0.1680



18.6366, 0.1829, 0.1319



23.5997, 0.2294, 0.1526



17.8698, 0.2979, 0.3086



4.8093, 0.1540, 0.0745



0.5996, 0.1589, 0.0921

Previews

White Background



This preview shows how the Yxy color 77.3689, 0.4103, 0.4487 looks on a white background.

Color Contrast Check

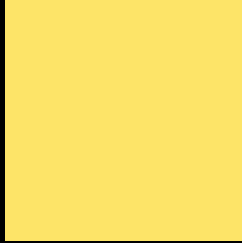
Large Text (above 18pt) WCAG AA × Fail

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 77.3689, 0.4103, 0.4487 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 77.3689, 0.4103, 0.4487

Background



This preview shows how black text looks on a background with the Yxy color 77.3689, 0.4103, 0.4487.

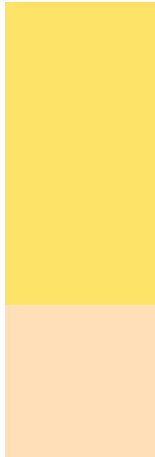


This preview shows how white text looks on a background with the Yxy color 77.3689, 0.4103, 0.4487.

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

77.3689, 0.4103, 0.4487

Protanopia

77.3689, 0.4103, 0.4487

Deuteranopia

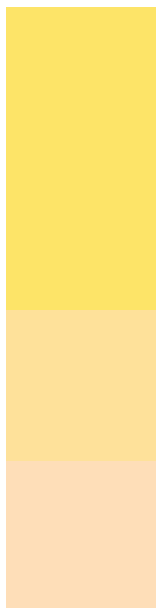
77.4542, 0.3638, 0.3699



Tritanopia

77.1160, 0.3314, 0.3171

Trichromacy



Original Color

77.3689, 0.4103, 0.4487

Protanomaly

77.3689, 0.4103, 0.4487

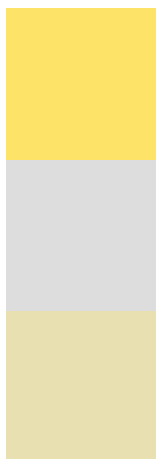
Deuteranomaly

77.2544, 0.3825, 0.4013

Tritanomaly

76.7741, 0.3626, 0.3680

Monochromacy



Original Color

77.3689, 0.4103, 0.4487

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.8493, 0.3504, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3689, 0.4103, 0.4487 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(253, 228, 104)` looks like.

```
.text, #text, p{  
    color:rgb(253, 228, 104)  
}
```

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(253, 228, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 228, 104) }
```

Border

The CSS property to change the border of an element to Yxy 77.3689, 0.4103, 0.4487 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(253, 228, 104) }
```

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

```
.border{ border-color:rgb(253, 228, 104) }
```

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

Here you see how a box with a 4 pixel rgb(253, 228, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 228, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 228, 104);  
box-shadow:4px 4px 4px 4px rgb(253, 228,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3689, 0.4103, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 228, 104) }
```

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

```
.background{ background-color: rgb(253,  
228, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor