

Converting Colors

$Yxy(77.5024, 0.3967, 0.4312)$

Have a look what the booklet for
Yxy(77.5024, 0.3967, 0.4312)
contains.

Yxy(77.5024, 0.3967, 0.4312)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.5024, 0.3967, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	FBE47E
RGB	251, 228, 126
RGB Percent	98%, 89%, 49%
CMY	0.0155, 0.1059, 0.5060
CMYK	0.00, 0.09, 0.50, 0.02
HSL	49°, 94%, 74%
HSV	49°, 50%, 98%
XYZ	71.3015, 77.5024, 30.9327
YIQ	223.2490, 46.4500, -26.8460

Conversions

Conversions Part 2

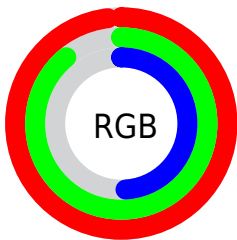
Format	Color
RYB	154, 251, 126
Decimal	16508030
CIELab	90.55, -4.96, 52.23
CIElCh	91, 52.469, 95.427
Yxy	77.5024, 0.3967, 0.4312
Android (android.graphics.Color)	4294698110 (0xFFFFBE47E)
YUV	223.2490, -47.9438, 24.3376
Hunter-Lab	88.0354, -9.4917, 40.7923

Details

The Yxy color **77.5024, 0.3967, 0.4312** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.9030, 0.2223, 0.1990**, and the grayscale version is **74.3046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **41.5880, 0.4121, 0.4520** is the 20% darker color. If you saturate the color by 10%, you get **74.4265, 0.4132, 0.4481**, and if you desaturate by 10%, it is **80.8162, 0.3793, 0.4118**.

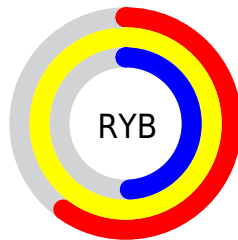
Distribution



Red (98%)

Green (89%)

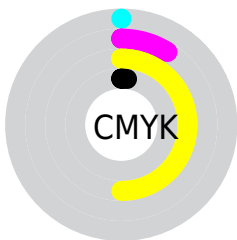
Blue (49%)



Red (60%)

Yellow (98%)

Blue (49%)

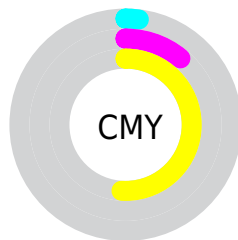


Cyan (0%)

Magenta (9%)

Yellow (50%)

Black (2%)



Cyan (2%)

Magenta (11%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5024, 0.3967, 0.4312 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 77.5024, 0.3967, 0.4312 by changing the saturation by 10% instead.


 77.5024, 0.3967,
0.4312


 77.5024, 0.3967,
0.4312


486.4753, 0.3602,
0.3857

 57.6653, 0.4041,
0.4408


 129.8484, 0.3847,
0.4160

 41.5396, 0.4128,
0.4521


 163.1261, 0.3798,
0.4099

 28.7410, 0.4227,
0.4655


 201.6529, 0.3755,
0.4046

 18.8850, 0.4341,
0.4812

245.8130, 0.3717,
0.3999

 11.5872, 0.4462,
0.4994

295.9909, 0.3684,
0.3957

 6.4632, 0.4674,
0.5301

352.5710, 0.3653,

 3.1288, 0.4634,

0.3920

0.5366

415.9376, 0.3626,
0.3887

■ 1.1993, 0.4542,
0.5458

■ 0.0611, 0.0000,
1.0000

■ 77.5024, 0.3967,
0.4312

■ 77.5024, 0.3967,
0.4312

■ 74.4265, 0.4132,
0.4481

■ 80.8162, 0.3793,
0.4118

■ 71.5647, 0.4280,
0.4616


■ 84.3687, 0.3616,
0.3911

■ 68.9059, 0.4404,
0.4708


■ 88.1740, 0.3443,
0.3699

■ 66.4327, 0.4500,
0.4752

■ 92.2422, 0.3279,
0.3489

 64.1172, 0.4568,
0.4754

 96.5824, 0.3124,
0.3286

 64.0755, 0.4569,
0.4754

 99.2559, 0.3103,
0.3290

Harmonies

Analogous

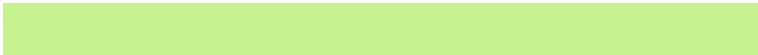
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5024, 0.4311, 0.3946



77.5024, 0.3967, 0.4312



77.5024, 0.3416, 0.4414

Triad

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



77.5024, 0.3967, 0.4312



77.5024, 0.2065, 0.2913



77.5024, 0.3362, 0.2629

Complementary

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



77.5024, 0.3967, 0.4312



32.9030, 0.2223, 0.1990

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.



77.5024, 0.2748, 0.2386



77.5024, 0.3967, 0.4312



77.5024, 0.2054, 0.2501

Square

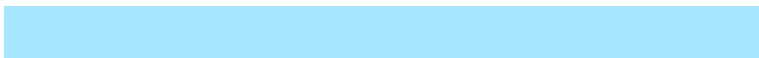
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5024, 0.3967, 0.4312



77.5024, 0.2329, 0.3520



77.5024, 0.2289, 0.2332



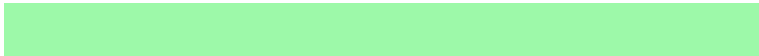
77.5024, 0.3960, 0.3016

Rectangle

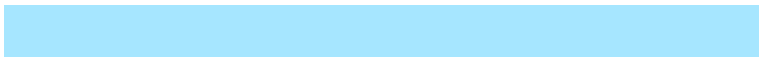
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5024, 0.3967, 0.4312



77.5024, 0.3011, 0.4260



77.5024, 0.2289, 0.2332



77.5024, 0.3148, 0.2529

Sweetspot

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



77.5060, 0.3967, 0.4312



93.3625, 0.3363, 0.3597



37.6668, 0.4252, 0.3031



19.7946, 0.3398, 0.3642



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

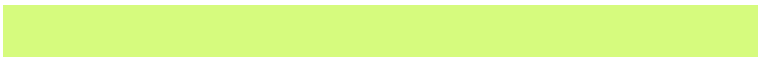
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5060, 0.3967, 0.4312



77.0541, 0.4136, 0.4485



84.7465, 0.3595, 0.4625



19.6149, 0.3273, 0.3482



33.8698, 0.4562, 0.4760



3.2732, 0.4509, 0.4801

Inverse Universe

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



32.9030, 0.2223, 0.1990



26.0604, 0.2027, 0.1675



29.7232, 0.2433, 0.1804



17.1602, 0.2979, 0.3090



4.8495, 0.1547, 0.0770



0.5848, 0.1602, 0.0965

Previews

White Background



This preview shows how the Yxy color 77.5024, 0.3967, 0.4312 looks on a white background.

Color Contrast Check

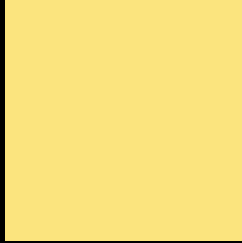
Large Text (above 18pt) WCAG AA × Fail

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 77.5024, 0.3967, 0.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

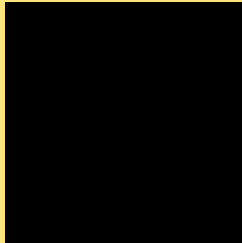
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5024, 0.3967, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 77.5024, 0.3967, 0.4312.

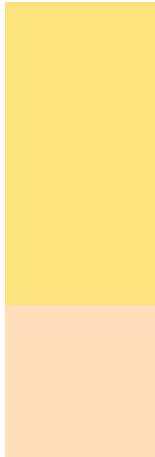


This preview shows how white text looks on a background with the Yxy color 77.5024, 0.3967, 0.4312.

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

77.5024, 0.3967, 0.4312

Protanopia

77.5024, 0.3967, 0.4312

Deuteranopia

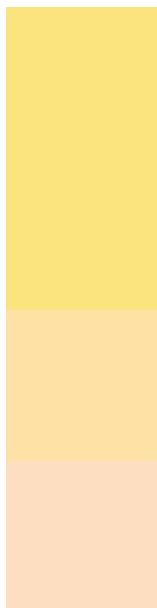
77.5381, 0.3624, 0.3679



Tritanopia

77.2290, 0.3300, 0.3151

Trichromacy



Original Color

77.5024, 0.3967, 0.4312

Protanomaly

77.5024, 0.3967, 0.4312

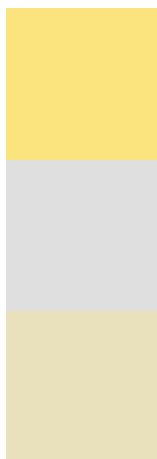
Deuteranomaly

77.6016, 0.3757, 0.3914

Tritanomaly

77.1636, 0.3562, 0.3587

Monochromacy



Original Color

77.5024, 0.3967, 0.4312

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.8049, 0.3433, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5024, 0.3967, 0.4312 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(251, 228, 126)` looks like.

```
.text, #text, p{  
    color:rgb(251, 228, 126)  
}
```

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(251, 228, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 228, 126) }
```

Border

The CSS property to change the border of an element to Yxy 77.5024, 0.3967, 0.4312 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(251, 228, 126) }
```

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

```
.border{ border-color:rgb(251, 228, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 228, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 228, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 228, 126);  
box-shadow:4px 4px 4px 4px rgb(251, 228,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5024, 0.3967, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 228, 126) }
```

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

```
.background{ background-color: rgb(251,  
228, 126) }
```

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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