

Converting Colors

$Y_{xy}(77.0123, 0.3789, 0.4231)$

Have a look what the booklet for
Yxy(77.0123, 0.3789, 0.4231)
contains.

Yxy(77.0123, 0.3789, 0.4231)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.0123, 0.3789, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	F0E68C
RGB	240, 230, 140
RGB Percent	94%, 90%, 55%
CMY	0.0588, 0.0980, 0.4510
CMYK	0.00, 0.04, 0.42, 0.06
HSL	54°, 77%, 75%
HSV	54°, 42%, 94%
XYZ	68.9671, 77.0123, 36.0398
YIQ	222.7300, 34.8500, -25.8700

Conversions

Conversions Part 2

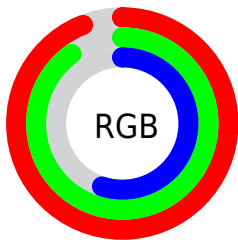
Format	Color
R_{YB}	151, 240, 140
Decimal	15787660
CIE _{Lab}	90.33, -9.01, 44.98
CIE _{LCh}	90, 45.868, 101.323
Yxy	77.0123, 0.3789, 0.4231
Android (android.graphics.Color)	4293977740 (0xFFFF0E68C)
YUV	222.7300, -40.7859, 15.1458
Hunter-Lab	87.7567, -13.2928, 37.0805

Details

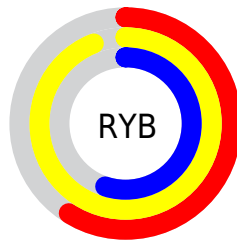
The Yxy color **77.0123, 0.3789, 0.4231** is a light color, and the websafe version is hex **FFFF99**, and the color name is **khaki**. A complement of this color would be **33.6804, 0.2369, 0.2130**, and the grayscale version is **73.8691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **41.3096, 0.3913, 0.4443** is the 20% darker color. If you saturate the color by 10%, you get **75.0564, 0.3942, 0.4434**, and if you desaturate by 10%, it is **79.1480, 0.3628, 0.4010**.

Distribution



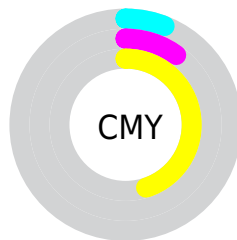
- Red (94%)
- Green (90%)
- Blue (55%)



- Red (59%)
- Yellow (94%)
- Blue (55%)



- Cyan (0%)
- Magenta (4%)
- Yellow (42%)
- Black (6%)





- Cyan (6%)
- Magenta (10%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0123, 0.3789, 0.4231 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 77.0123, 0.3789, 0.4231 by changing the saturation by 10% instead.


 77.0123, 0.3789,
0.4231


 77.0123, 0.3789,
0.4231


484.8060, 0.3499,
0.3802

 57.2630, 0.3849,
0.4325


 129.1568, 0.3693,
0.4085

 41.2164, 0.3920,
0.4438


 162.3208, 0.3654,
0.4027

 28.4882, 0.4002,
0.4577


 200.7252, 0.3620,
0.3977

 18.6940, 0.4099,
0.4747

244.7543, 0.3590,
0.3933

 11.4494, 0.4207,
0.4958

294.7925, 0.3564,
0.3894

 6.3700, 0.4338,
0.5242

351.2243, 0.3540,

 3.0713, 0.4431,

0.3860

0.5569

414.4340, 0.3519,
0.3829

■ 1.1691, 0.4258,
0.5742

■ 0.0362, 0.0000,
1.0000

■ 77.0123, 0.3789,
0.4231

■ 77.0123, 0.3789,
0.4231

■ 75.0564, 0.3942,
0.4434

■ 79.1480, 0.3628,
0.4010

■ 73.2596, 0.4080,
0.4609


■ 81.4624, 0.3465,
0.3780

■ 71.6139, 0.4196,
0.4746

■ 83.9673, 0.3305,
0.3550

■ 70.1063, 0.4287,
0.4840


■ 86.6710, 0.3152,
0.3326


 68.7209, 0.4349,
0.4889


 89.2543, 0.3037,
0.3162

 67.6394, 0.4384,
0.4901

 90.6927, 0.3037,
0.3185

 92.1499, 0.3036,
0.3209

 93.6260, 0.3036,
0.3233

 95.1211, 0.3036,
0.3257

Harmonies

Analogous

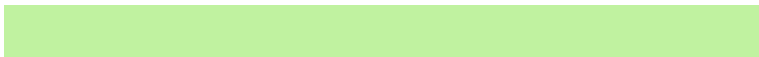
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0123, 0.4132, 0.3955



77.0123, 0.3789, 0.4231



77.0123, 0.3284, 0.4242

Triad

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



77.0123, 0.3789, 0.4231



77.0123, 0.2164, 0.2878



77.0123, 0.3446, 0.2763

Complementary

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



77.0123, 0.3789, 0.4231



33.6804, 0.2369, 0.2130

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.



77.0123, 0.2896, 0.2515



77.0123, 0.3789, 0.4231



77.0123, 0.2197, 0.2549

Square

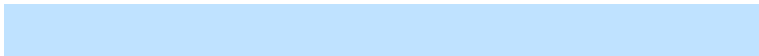
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0123, 0.3789, 0.4231



77.0123, 0.2360, 0.3385



77.0123, 0.2451, 0.2433



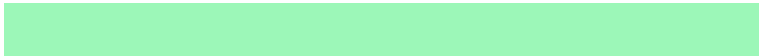
77.0123, 0.3940, 0.3130

Rectangle

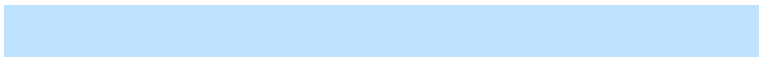
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0123, 0.3789, 0.4231



77.0123, 0.2929, 0.4060



77.0123, 0.2451, 0.2433



77.0123, 0.3260, 0.2664

Sweetspot

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



77.0158, 0.3789, 0.4231



95.9487, 0.3327, 0.3582



39.5386, 0.4076, 0.3163



20.3981, 0.3362, 0.3632



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.



77.0158, 0.3789, 0.4231



86.4575, 0.3920, 0.4405



76.7280, 0.3471, 0.4426



18.1730, 0.3271, 0.3500



37.1371, 0.4380, 0.4904



3.1669, 0.4352, 0.4926

Inverse Universe

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



33.6804, 0.2369, 0.2130



30.6003, 0.2193, 0.1849



34.5525, 0.2640, 0.2095



15.4830, 0.2980, 0.3070



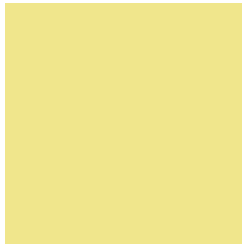
3.8884, 0.1519, 0.0669



0.4083, 0.1561, 0.0820

Previews

White Background



This preview shows how the Yxy color 77.0123, 0.3789, 0.4231 looks on a white background.

Color Contrast Check

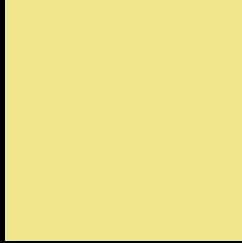
Large Text (above 18pt) WCAG AA × Fail

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 77.0123, 0.3789, 0.4231 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 77.0123, 0.3789, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 77.0123, 0.3789, 0.4231.



This preview shows how white text looks on a background with the Yxy color 77.0123, 0.3789, 0.4231.

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

77.0123, 0.3789, 0.4231

Protanopia

76.7587, 0.3869, 0.4192

Deuteranopia

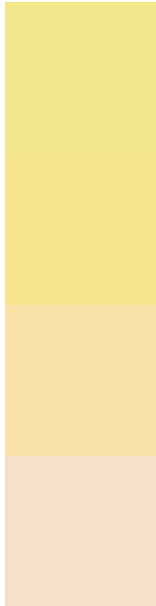
77.0477, 0.3620, 0.3659



Tritanopia

77.0432, 0.3235, 0.3120

Trichromacy



Original Color

77.0123, 0.3789, 0.4231

Protanomaly

76.7634, 0.3842, 0.4209

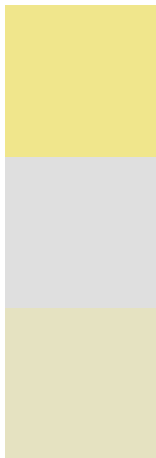
Deuteranomaly

77.0390, 0.3693, 0.3870

Tritanomaly

76.5852, 0.3444, 0.3519

Monochromacy



Original Color

77.0123, 0.3789, 0.4231

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.9010, 0.3367, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0123, 0.3789, 0.4231 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(240, 230, 140)` looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 140)  
}
```

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(240, 230, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 140) }
```

Border

The CSS property to change the border of an element to Yxy 77.0123, 0.3789, 0.4231 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(240, 230, 140) }
```

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

```
.border{ border-color:rgb(240, 230, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 230, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 140);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0123, 0.3789, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 140) }
```

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

```
.background{ background-color: rgb(240,  
230, 140) }
```

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