

Converting Colors

$Y_{xy}(76.4063, 0.3942, 0.4156)$

Have a look what the booklet for
Yxy(76.4063, 0.3942, 0.4156)
contains.

| | |
|---|----|
| Yxy(76.4063, 0.3942, 0.4156) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(76.4063, 0.3942, 0.4156)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFE08A |
| RGB | 255, 224, 138 |
| RGB Percent | 100%, 88%, 54% |
| CMY | 0.0001, 0.1215, 0.4589 |
| CMYK | 0.00, 0.12, 0.46, 0.00 |
| HSL | 44°, 100%, 77% |
| HSV | 44°, 46%, 100% |
| XYZ | 72.4720, 76.4063, 34.9675 |
| YIQ | 223.4650, 46.0820, -20.1740 |

Conversions

Conversions Part 2

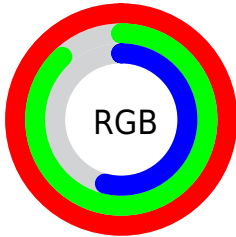
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 180, 255, 138 |
| Decimal | 16769162 |
| CIE Lab | 90.05, -0.31, 45.88 |
| CIE LCh | 90, 45.881, 90.393 |
| Yxy | 76.4063, 0.3942, 0.4156 |
| Android (android.graphics.Color) | 4294959242 (0xFFFFE08A) |
| YUV | 223.4650, -42.1342, 27.6562 |
| Hunter-Lab | 87.4107, -4.9748, 37.4693 |

Details

The Yxy color **76.4063, 0.3942, 0.4156** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.9695, 0.2322, 0.2228**, and the grayscale version is **74.4199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **40.7836, 0.4107, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **72.2021, 0.4135, 0.4323**, and if you desaturate by 10%, it is **80.9348, 0.3748, 0.3971**.

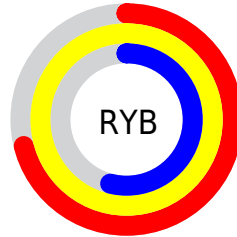
Distribution



Red (100%)

Green (88%)

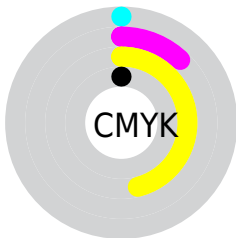
Blue (54%)



Red (71%)

Yellow (100%)

Blue (54%)

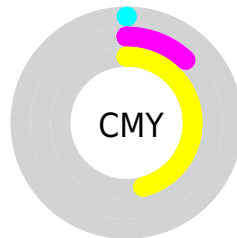


Cyan (0%)

Magenta (12%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4063, 0.3942, 0.4156 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 76.4063, 0.3942, 0.4156 by changing the saturation by 10% instead.


 76.4063, 0.3942,
0.4156

 76.4063, 0.3942,
0.4156


482.7374, 0.3580,
0.3770

 56.7657, 0.4019,
0.4238


 128.3011, 0.3821,
0.4027

 40.8172, 0.4110,
0.4335


 161.3241, 0.3772,
0.3975

 28.1763, 0.4218,
0.4451


 199.5767, 0.3730,
0.3930

 18.4586, 0.4347,
0.4589

243.4432, 0.3692,
0.3890

 11.2797, 0.4499,
0.4752

293.3082, 0.3659,
0.3855

 6.2553, 0.4701,
0.4970

349.5560, 0.3630,

 3.0009, 0.4858,

0.3824

0.5142

412.5709, 0.3603,
0.3796

■ 1.1322, 0.4852,
0.5148

■ 0.0053, 0.0000,
1.0000

■ 76.4063, 0.3942,
0.4156

■ 76.4063, 0.3942,
0.4156

■ 72.2021, 0.4135,
0.4323

■ 80.9348, 0.3748,
0.3971

■ 68.2974, 0.4318,
0.4460

■ 85.7896, 0.3560,
0.3778

■ 64.6803, 0.4483,
0.4557

■ 90.9860, 0.3382,
0.3585

■ 61.3328, 0.4621,
0.4607

■ 96.5351, 0.3218,
0.3397

■ 58.2328, 0.4729,
0.4607

99.9928, 0.3127,
0.3290

■ 57.0148, 0.4766,
0.4598

Harmonies

Analogous

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



76.4063, 0.4196, 0.3818



76.4063, 0.3942, 0.4156



76.4063, 0.3479, 0.4280

Triad

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



76.4063, 0.3942, 0.4156



76.4063, 0.2207, 0.3046



76.4063, 0.3242, 0.2654

Complementary

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



76.4063, 0.3942, 0.4156



40.9695, 0.2322, 0.2228

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.



76.4063, 0.2714, 0.2461



76.4063, 0.3942, 0.4156



76.4063, 0.2156, 0.2643

Square

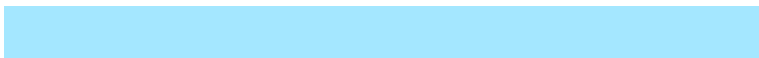
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4063, 0.3942, 0.4156



76.4063, 0.2484, 0.3589



76.4063, 0.2332, 0.2449



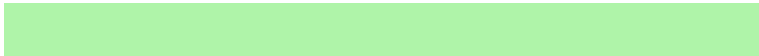
76.4063, 0.3781, 0.2985

Rectangle

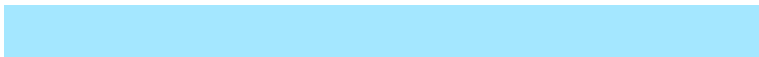
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4063, 0.3942, 0.4156



76.4063, 0.3121, 0.4181



76.4063, 0.2332, 0.2449



76.4063, 0.3057, 0.2572

Sweetspot

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



76.4099, 0.3942, 0.4156



92.0325, 0.3350, 0.3549



42.2977, 0.4033, 0.2967



19.4493, 0.3387, 0.3590



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

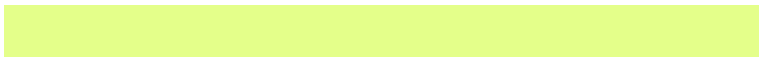
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4099, 0.3942, 0.4156



72.5839, 0.4118, 0.4309



89.7702, 0.3619, 0.4499



20.2298, 0.3276, 0.3464



30.0589, 0.4755, 0.4607



3.1056, 0.4676, 0.4669

Inverse Universe

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



40.9695, 0.2322, 0.2228



33.2552, 0.2152, 0.1972



33.4207, 0.2442, 0.1911



18.1590, 0.2979, 0.3110



6.1045, 0.1587, 0.0914



0.7640, 0.1646, 0.1126

Previews

White Background



This preview shows how the Yxy color 76.4063, 0.3942, 0.4156 looks on a white background.

Color Contrast Check

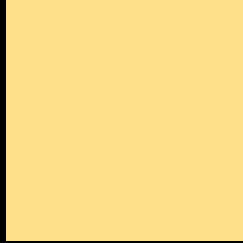
Large Text (above 18pt) WCAG AA × Fail

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 76.4063, 0.3942, 0.4156 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 76.4063, 0.3942, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 76.4063, 0.3942, 0.4156.



This preview shows how white text looks on a background with the Yxy color 76.4063, 0.3942, 0.4156.

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

76.4063, 0.3942, 0.4156

Protanopia

76.5764, 0.3861, 0.4195

Deuteranopia

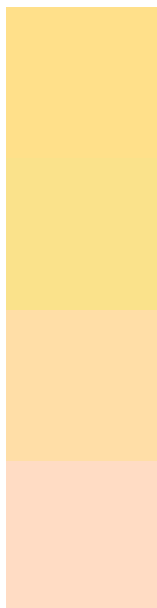
76.3918, 0.3644, 0.3680



Tritanopia

76.5429, 0.3322, 0.3171

Trichromacy



Original Color

76.4063, 0.3942, 0.4156

Protanomaly

76.5808, 0.3888, 0.4178

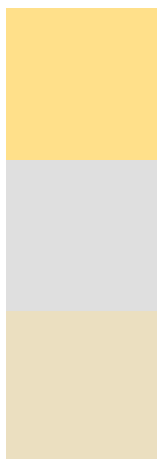
Deuteranomaly

76.2926, 0.3754, 0.3853

Tritanomaly

76.4319, 0.3553, 0.3536

Monochromacy



Original Color

76.4063, 0.3942, 0.4156

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.2433, 0.3424, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4063, 0.3942, 0.4156 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, 224, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 138)  
}
```

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, 224, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 138) }
```

Border

The CSS property to change the border of an element to Yxy 76.4063, 0.3942, 0.4156 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, 224, 138) }
```

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

```
.border{ border-color:rgb(255, 224, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4063, 0.3942, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 138) }
```

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

```
.background{ background-color: rgb(255,  
224, 138) }
```

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