

Converting Colors

$Yxy(77.9364, 0.3962, 0.4233)$

Have a look what the booklet for
Yxy(77.9364, 0.3962, 0.4233)
contains.

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Color

Yxy(77.8916, 0.3960, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	FFE385
RGB	255, 227, 133
RGB Percent	100%, 89%, 52%
CMY	0.0000, 0.1098, 0.4784
CMYK	0.00, 0.11, 0.48, 0.00
HSL	46°, 100%, 76%
HSV	46°, 48%, 100%
XYZ	72.9543, 77.8916, 33.3821
YIQ	224.6560, 46.8620, -23.2980

Conversions

Conversions Part 2

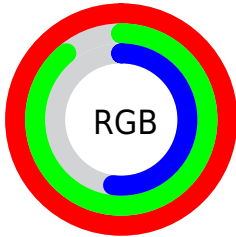
Format	Color
R _Y B	169, 255, 133
Decimal	16769925
CIE Lab	90.73, -2.25, 49.16
CIE LCh	91, 49.210, 92.617
Yxy	77.8916, 0.3960, 0.4228
Android (android.graphics.Color)	4294960005 (0xFFFFE385)
YUV	224.6560, -45.1864, 26.6117
Hunter-Lab	88.2562, -6.8968, 39.3534

Details

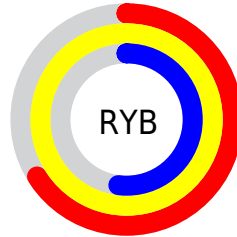
The Yxy color **77.8916, 0.3960, 0.4228** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.7030, 0.2275, 0.2119**, and the grayscale version is **75.3368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **41.8349, 0.4121, 0.4420** is the 20% darker color. If you saturate the color by 10%, you get **74.1178, 0.4141, 0.4396**, and if you desaturate by 10%, it is **81.9372, 0.3774, 0.4039**.

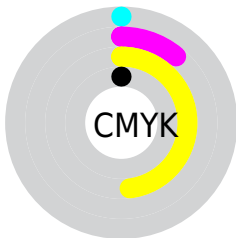
Distribution



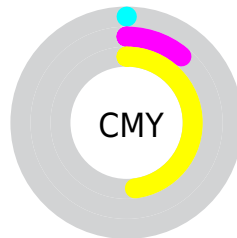
- Red (100%)
- Green (89%)
- Blue (52%)



- Red (66%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (11%)
- Yellow (48%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8916, 0.3960, 0.4228 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 77.8916, 0.3960, 0.4228 by changing the saturation by 10% instead.

 77.8916, 0.3960,
0.4228


 77.8916, 0.3960,
0.4228


487.7986, 0.3594,
0.3811


 57.9849, 0.4036,
0.4316


 130.3973, 0.3839,
0.4089

 41.7965, 0.4125,
0.4419


 163.7651, 0.3790,
0.4033

 28.9420, 0.4230,
0.4542


 202.3888, 0.3747,
0.3984

 19.0370, 0.4353,
0.4688

246.6527, 0.3709,
0.3941

 11.6970, 0.4491,
0.4858

296.9412, 0.3675,
0.3903

 6.5377, 0.4689,
0.5102

353.6388, 0.3645,

 3.1747, 0.4766,

0.3869

0.5234

417.1298, 0.3618,
0.3839

■ 1.2236, 0.4726,
0.5274

■ 0.0809, 0.2140,
0.7860

■ 77.8916, 0.3960,
0.4228

■ 77.8916, 0.3960,
0.4228

■ 74.1178, 0.4141,
0.4396

■ 81.9372, 0.3774,
0.4039

■ 70.6144, 0.4308,
0.4532

■ 86.2792, 0.3590,
0.3840

■ 67.3619, 0.4455,
0.4626

■ 90.9250, 0.3414,
0.3638

■ 64.3424, 0.4573,
0.4672

■ 95.8852, 0.3248,
0.3440

■ 61.5320, 0.4661,
0.4671

100.0000, 0.3127,
0.3290

■ 60.9451, 0.4678,
0.4668

Harmonies

Analogous

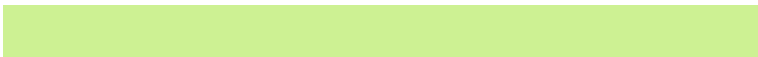
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8916, 0.4254, 0.3875



77.8916, 0.3960, 0.4228



77.8916, 0.3456, 0.4345

Triad

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



77.8916, 0.3960, 0.4228



77.8916, 0.2139, 0.2988



77.8916, 0.3293, 0.2639

Complementary

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



77.8916, 0.3960, 0.4228



37.7030, 0.2275, 0.2119

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.



77.8916, 0.2725, 0.2423



77.8916, 0.3960, 0.4228



77.8916, 0.2105, 0.2577

Square

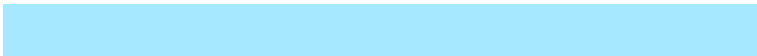
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8916, 0.3960, 0.4228



77.8916, 0.2413, 0.3563



77.8916, 0.2307, 0.2392



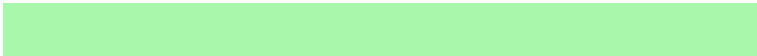
77.8916, 0.3861, 0.2996

Rectangle

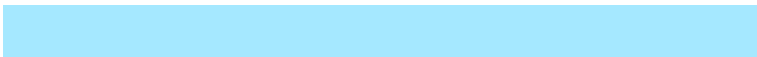
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8916, 0.3960, 0.4228



77.8916, 0.3075, 0.4223



77.8916, 0.2307, 0.2392



77.8916, 0.3094, 0.2548

Sweetspot

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



77.8875, 0.3960, 0.4228



92.7918, 0.3349, 0.3561



40.6275, 0.4139, 0.2997



19.6355, 0.3385, 0.3604



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.



77.8875, 0.3960, 0.4228



74.4238, 0.4126, 0.4383



88.8175, 0.3608, 0.4561



20.3418, 0.3275, 0.3472



32.0824, 0.4668, 0.4675



3.2878, 0.4603, 0.4727

Inverse Universe

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



37.7030, 0.2275, 0.2119



30.1638, 0.2101, 0.1850



32.0549, 0.2436, 0.1856



18.0543, 0.2979, 0.3101



5.5672, 0.1568, 0.0845



0.6988, 0.1624, 0.1047

Previews

White Background



This preview shows how the Yxy color 77.8916, 0.3960, 0.4228 looks on a white background.

Color Contrast Check

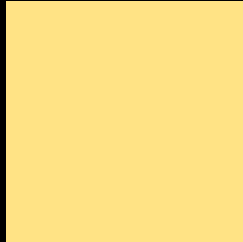
Large Text (above 18pt) WCAG AA × Fail

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 77.8916, 0.3960, 0.4228 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 77.8916, 0.3960, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 77.8916, 0.3960, 0.4228.



This preview shows how white text looks on a background with the Yxy color 77.8916, 0.3960, 0.4228.

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

77.8916, 0.3960, 0.4228

Protanopia

78.0838, 0.3906, 0.4251

Deuteranopia

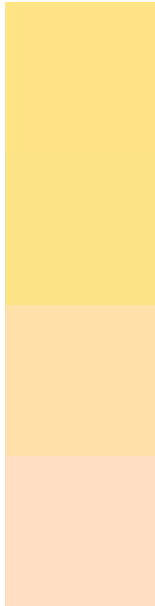
77.6662, 0.3603, 0.3648



Tritanopia

77.6926, 0.3306, 0.3171

Trichromacy



Original Color

77.8916, 0.3960, 0.4228

Protanomaly

77.9035, 0.3926, 0.4237

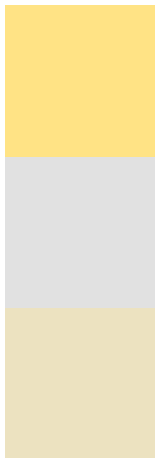
Deuteranomaly

77.3985, 0.3741, 0.3862

Tritanomaly

77.4427, 0.3555, 0.3566

Monochromacy



Original Color

77.8916, 0.3960, 0.4228

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.0314, 0.3426, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8916, 0.3960, 0.4228 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, 227, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 133)  
}
```

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, 227, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 133) }
```

Border

The CSS property to change the border of an element to Yxy 77.8916, 0.3960, 0.4228 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, 227, 133) }
```

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

```
.border{ border-color:rgb(255, 227, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8916, 0.3960, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 133) }
```

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

```
.background{ background-color: rgb(255,  
227, 133) }
```

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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