

Converting Colors

$Y_{xy}(110.7973, 0.4847, 0.3847)$

Have a look what the booklet for
Yxy(110.7973, 0.4847, 0.3847)
contains.

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Color

Yxy(75.8415, 0.3953, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF89
RGB	255, 223, 137
RGB Percent	100%, 87%, 54%
CMY	0.0001, 0.1254, 0.4627
CMYK	0.00, 0.13, 0.46, 0.00
HSL	44°, 100%, 77%
HSV	44°, 46%, 100%
XYZ	72.1370, 75.8415, 34.5082
YIQ	222.7640, 46.6780, -19.9620

Conversions

Conversions Part 2

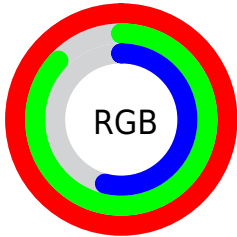
Format	Color
R_{YB}	181, 255, 137
Decimal	16768905
CIE _{Lab}	89.79, 0.11, 46.03
CIE _{LCh}	90, 46.030, 89.864
Yxy	75.8415, 0.3953, 0.4156
Android (android.graphics.Color)	4294958985 (0xFFFFDF89)
YUV	222.7640, -42.2817, 28.2710
Hunter-Lab	87.0870, -4.5449, 37.4672

Details

The Yxy color **75.8415, 0.3953, 0.4156** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.9046, 0.2316, 0.2227**, and the grayscale version is **73.8978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **40.3969, 0.4122, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **71.5807, 0.4147, 0.4321**, and if you desaturate by 10%, it is **80.4330, 0.3758, 0.3973**.

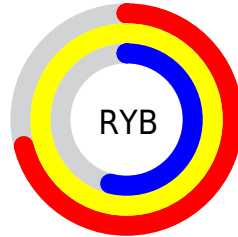
Distribution



Red (100%)

Green (87%)

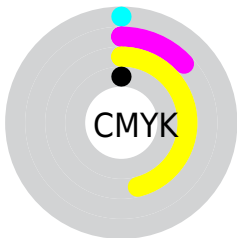
Blue (54%)



Red (71%)

Yellow (100%)

Blue (54%)

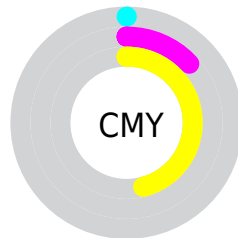


Cyan (0%)

Magenta (13%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8415, 0.3953, 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 75.8415, 0.3953, 0.4156 by changing the saturation by 10% instead.

 75.8415, 0.3953,
0.4156

 75.8415, 0.3953,
0.4156


480.8050, 0.3585,
0.3770

 56.3025, 0.4031,
0.4238


 127.5028, 0.3830,
0.4027

 40.4455, 0.4123,
0.4334


 160.3940, 0.3780,
0.3975

 27.8861, 0.4234,
0.4450


 198.5047, 0.3737,
0.3930

 18.2398, 0.4365,
0.4587

242.2193, 0.3700,
0.3890

 11.1223, 0.4519,
0.4748

291.9223, 0.3666,
0.3855

 6.1492, 0.4730,
0.4969

347.9979, 0.3636,

 2.9360, 0.4878,

0.3824

0.5122

410.8307, 0.3609,
0.3796

■ 1.0984, 0.4880,
0.5120

■ 0.0000, 0.0000,
0.0000

■ 75.8415, 0.3953,
0.4156

■ 75.8415, 0.3953,
0.4156

■ 71.5807, 0.4147,
0.4321

■ 80.4330, 0.3758,
0.3973

■ 67.6256, 0.4333,
0.4455

■ 85.3573, 0.3568,
0.3782

■ 63.9642, 0.4499,
0.4550

■ 90.6300, 0.3390,
0.3590

■ 60.5781, 0.4639,
0.4597

■ 96.2622, 0.3224,
0.3403

■ 57.4450, 0.4748,
0.4594

99.9953, 0.3127,
0.3290

■ 56.3275, 0.4783,
0.4584

Harmonies

Analogous

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



75.8415, 0.4204, 0.3813



75.8415, 0.3953, 0.4156



75.8415, 0.3490, 0.4286

Triad

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



75.8415, 0.3953, 0.4156



75.8415, 0.2205, 0.3053



75.8415, 0.3233, 0.2646

Complementary

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



75.8415, 0.3953, 0.4156



40.9046, 0.2316, 0.2227

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.



75.8415, 0.2704, 0.2455



75.8415, 0.3953, 0.4156



75.8415, 0.2150, 0.2644

Square

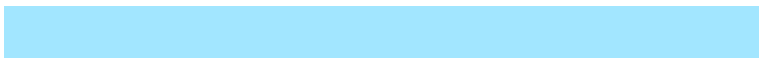
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8415, 0.3953, 0.4156



75.8415, 0.2487, 0.3600



75.8415, 0.2323, 0.2446



75.8415, 0.3776, 0.2977

Rectangle

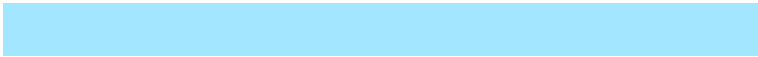
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8415, 0.3953, 0.4156



75.8415, 0.3130, 0.4191



75.8415, 0.2323, 0.2446



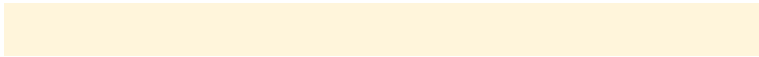
75.8415, 0.3047, 0.2565

Sweetspot

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



75.8451, 0.3953, 0.4156



91.8934, 0.3351, 0.3547



42.0696, 0.4023, 0.2944



19.4152, 0.3388, 0.3588



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.



75.8451, 0.3953, 0.4156



71.7048, 0.4142, 0.4317



90.0374, 0.3636, 0.4503



20.2093, 0.3276, 0.3462



29.6995, 0.4771, 0.4594



3.0731, 0.4690, 0.4658

Inverse Universe

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



40.9046, 0.2316, 0.2227



32.7759, 0.2136, 0.1955



32.8553, 0.2420, 0.1893



18.1784, 0.2979, 0.3111



6.2123, 0.1591, 0.0928



0.7767, 0.1651, 0.1142

Previews

White Background



This preview shows how the Yxy color 75.8415, 0.3953, 0.4156 looks on a white background.

Color Contrast Check

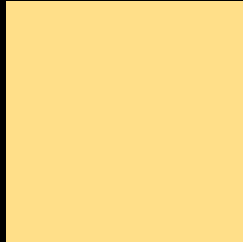
Large Text (above 18pt) WCAG AA × Fail

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 75.8415, 0.3953, 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 75.8415, 0.3953, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 75.8415, 0.3953, 0.4156.



This preview shows how white text looks on a background with the Yxy color 75.8415, 0.3953, 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

75.8415, 0.3953, 0.4156

Protanopia

76.0018, 0.3872, 0.4195

Deuteranopia

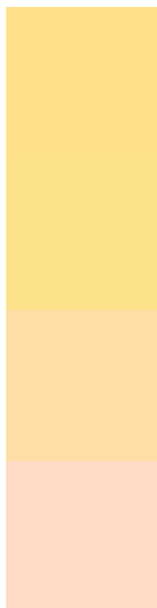
75.7826, 0.3661, 0.3691



Tritanopia

75.9732, 0.3330, 0.3170

Trichromacy



Original Color

75.8415, 0.3953, 0.4156

Protanomaly

76.0094, 0.3899, 0.4178

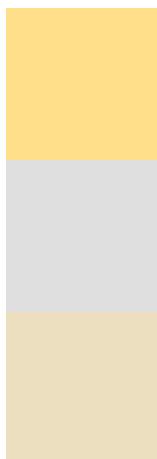
Deuteranomaly

75.6895, 0.3772, 0.3864

Tritanomaly

75.8632, 0.3562, 0.3536

Monochromacy



Original Color

75.8415, 0.3953, 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 75.8415, 0.3953, 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, 223, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 137)  
}
```

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, 223, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 137) }
```

Border

The CSS property to change the border of an element to Yxy 75.8415, 0.3953, 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, 223, 137) }
```

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

```
.border{ border-color:rgb(255, 223, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8415, 0.3953, 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, 223, 137) }
```

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

```
.background{ background-color: rgb(255,  
223, 137) }
```

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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