

Converting Colors

$Y_{xy}(75.9368, 0.4092, 0.4379)$

Have a look what the booklet for
Yxy(75.9368, 0.4092, 0.4379)
contains.

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Color

Yxy(75.7636, 0.4093, 0.4376)

Conversions

Conversions Part 1

Format	Color
Hex	FFE071
RGB	255, 224, 113
RGB Percent	100%, 88%, 44%
CMY	0.0002, 0.1215, 0.5569
CMYK	0.00, 0.12, 0.56, 0.00
HSL	47°, 100%, 72%
HSV	47°, 56%, 100%
XYZ	70.8639, 75.7636, 26.5069
YIQ	220.6150, 54.1070, -27.9490

Conversions

Conversions Part 2

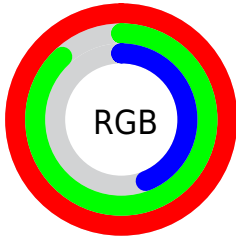
Format	Color
R _Y B	153, 255, 113
Decimal	16769137
CIE Lab	89.75, -2.43, 57.45
CIE LCh	90, 57.497, 92.426
Yxy	75.7636, 0.4093, 0.4376
Android (android.graphics.Color)	4294959217 (0xFFFFE071)
YUV	220.6150, -53.0542, 30.1556
Hunter-Lab	87.0423, -7.0015, 42.8741

Details

The Yxy color **75.7636, 0.4093, 0.4376** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.6497, 0.2121, 0.1868**, and the grayscale version is **72.3712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **40.4379, 0.4277, 0.4580** is the 20% darker color. If you saturate the color by 10%, you get **72.3335, 0.4260, 0.4521**, and if you desaturate by 10%, it is **79.4597, 0.3914, 0.4201**.

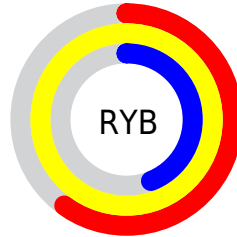
Distribution



Red (100%)

Green (88%)

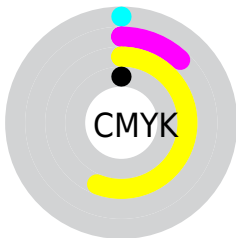
Blue (44%)



Red (60%)

Yellow (100%)

Blue (44%)

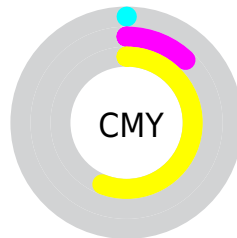


Cyan (0%)

Magenta (12%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7636, 0.4093, 0.4376 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 75.7636, 0.4093, 0.4376 by changing the saturation by 10% instead.

 75.7636, 0.4093,
0.4376


 75.7636, 0.4093,
0.4376


480.5381, 0.3674,
0.3900

 56.2387, 0.4177,
0.4473


 127.3927, 0.3956,
0.4219

 40.3943, 0.4273,
0.4586


 160.2656, 0.3901,
0.4156

 27.8461, 0.4382,
0.4715


 198.3567, 0.3851,
0.4100

 18.2097, 0.4503,
0.4862

242.0504, 0.3808,
0.4050

 11.1006, 0.4629,
0.5021

291.7309, 0.3769,
0.4006

 6.1346, 0.4780,
0.5220

347.7828, 0.3734,

 2.9271, 0.4754,

0.3967

0.5246

410.5904, 0.3703,
0.3932

■ 1.0938, 0.4707,
0.5293

■ 0.0000, 0.0000,
0.0000

■ 75.7636, 0.4093,
0.4376

■ 75.7636, 0.4093,
0.4376

■ 72.3335, 0.4260,
0.4521

■ 79.4597, 0.3914,
0.4201

■ 69.1437, 0.4407,
0.4627

■ 83.4243, 0.3730,
0.4007

■ 66.1809, 0.4528,
0.4686

■ 87.6729, 0.3550,
0.3803

■ 63.4238, 0.4617,
0.4696

■ 92.2165, 0.3376,
0.3599

62.2846, 0.4649,
0.4690

97.0655, 0.3214,
0.3399

99.9918, 0.3127,
0.3290

Harmonies

Analogous

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



75.7636, 0.4447, 0.3946



75.7636, 0.4093, 0.4376



75.7636, 0.3501, 0.4544

Triad

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



75.7636, 0.4093, 0.4376



75.7636, 0.1984, 0.2926



75.7636, 0.3311, 0.2535

Complementary

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



75.7636, 0.4093, 0.4376



30.6497, 0.2121, 0.1868

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.



75.7636, 0.2649, 0.2290



75.7636, 0.4093, 0.4376



75.7636, 0.1948, 0.2454

Square

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



75.7636, 0.4093, 0.4376



75.7636, 0.2293, 0.3613



75.7636, 0.2174, 0.2251



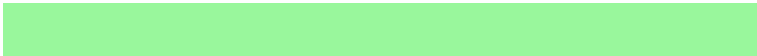
75.7636, 0.3988, 0.2939

Rectangle

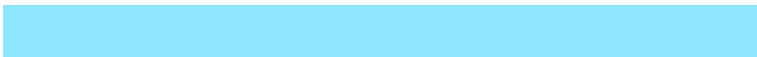
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7636, 0.4093, 0.4376



75.7636, 0.3057, 0.4412



75.7636, 0.2174, 0.2251



75.7636, 0.3077, 0.2433

Sweetspot

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



75.7672, 0.4093, 0.4376



91.6366, 0.3399, 0.3626



35.1380, 0.4407, 0.2960



19.4151, 0.3433, 0.3666



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.



75.7672, 0.4093, 0.4376



71.9276, 0.4281, 0.4538



87.4511, 0.3666, 0.4759



20.3795, 0.3275, 0.3475



32.7871, 0.4640, 0.4698



3.3508, 0.4579, 0.4746

Inverse Universe

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



30.6497, 0.2121, 0.1868



22.8783, 0.1920, 0.1535



25.5891, 0.2295, 0.1601



18.0193, 0.2979, 0.3098



5.4054, 0.1562, 0.0824



0.6785, 0.1617, 0.1022

Previews

White Background



This preview shows how the Yxy color 75.7636, 0.4093, 0.4376 looks on a white background.

Color Contrast Check

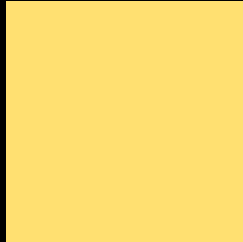
Large Text (above 18pt) WCAG AA × Fail

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 75.7636, 0.4093, 0.4376 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 75.7636, 0.4093, 0.4376

Background



This preview shows how black text looks on a background with the Yxy color 75.7636, 0.4093, 0.4376.



This preview shows how white text looks on a background with the Yxy color 75.7636, 0.4093, 0.4376.

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

75.7636, 0.4093, 0.4376

Protanopia

75.7474, 0.4031, 0.4406

Deuteranopia

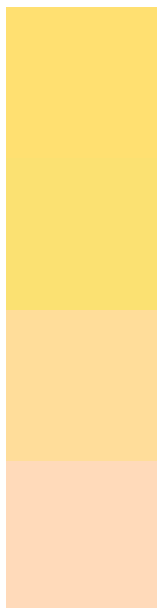
75.6207, 0.3690, 0.3732



Tritanopia

75.4069, 0.3338, 0.3170

Trichromacy



Original Color

75.7636, 0.4093, 0.4376

Protanomaly

75.5746, 0.4051, 0.4390

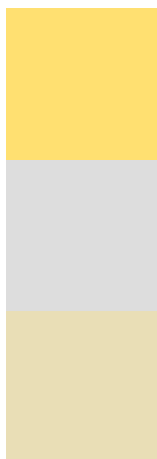
Deuteranomaly

75.3060, 0.3849, 0.3974

Tritanomaly

74.9480, 0.3630, 0.3619

Monochromacy



Original Color

75.7636, 0.4093, 0.4376

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.9436, 0.3481, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7636, 0.4093, 0.4376 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 113) }
```

Border

The CSS property to change the border of an element to Yxy 75.7636, 0.4093, 0.4376 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, 113) }
```

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

```
.border{ border-color:rgb(255, 224, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7636, 0.4093, 0.4376 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
224, 113) }
```

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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