

Converting Colors

$Y_{xy}(73.7213, 0.4088, 0.4300)$

Have a look what the booklet for
Yxy(73.7213, 0.4088, 0.4300)
contains.

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Color

Yxy(73.7544, 0.4087, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC76
RGB	255, 220, 118
RGB Percent	100%, 86%, 46%
CMY	0.0000, 0.1372, 0.5374
CMYK	0.00, 0.14, 0.54, 0.00
HSL	45°, 100%, 73%
HSV	45°, 54%, 100%
XYZ	70.1010, 73.7544, 27.6665
YIQ	218.8370, 53.6020, -24.3020

Conversions

Conversions Part 2

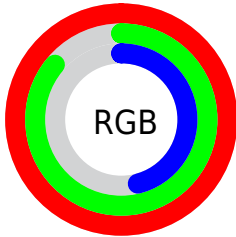
Format	Color
RYP	165, 255, 118
Decimal	16768118
CIELab	88.81, -0.00, 54.02
CIElCh	89, 54.024, 90.001
Yxy	73.7544, 0.4087, 0.4300
Android (android.graphics.Color)	4294958198 (0xFFFFDC76)
YUV	218.8370, -49.7126, 31.7150
Hunter-Lab	85.8804, -4.5877, 41.0159

Details

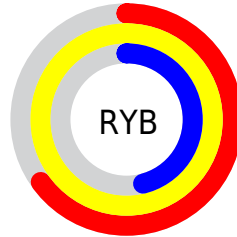
The Yxy color **73.7544, 0.4087, 0.4300** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.8337, 0.2171, 0.1991**, and the grayscale version is **71.0422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **39.0394, 0.4278, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **69.8800, 0.4270, 0.4446**, and if you desaturate by 10%, it is **77.9327, 0.3896, 0.4127**.

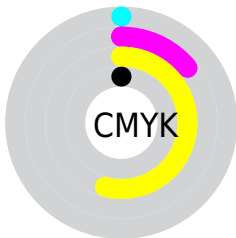
Distribution



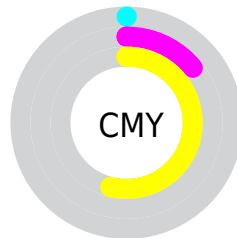
- Red (100%)
- Green (86%)
- Blue (46%)



- Red (65%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (14%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7544, 0.4087, 0.4300 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 73.7544, 0.4087, 0.4300 by changing the saturation by 10% instead.

 73.7544, 0.4087,
0.4300


 73.7544, 0.4087,
0.4300


473.6253, 0.3664,
0.3855


 54.5930, 0.4174,
0.4391


 124.5476, 0.3947,
0.4153

 39.0760, 0.4275,
0.4498

 156.9482, 0.3891,
0.4094

 26.8189, 0.4392,
0.4621


 194.5307, 0.3841,
0.4041

 17.4372, 0.4525,
0.4761


237.6795, 0.3797,
0.3995

 10.5467, 0.4669,
0.4912

286.7790, 0.3759,
0.3954

 5.7629, 0.4873,
0.5127

342.2135, 0.3724,

 2.7015, 0.4873,

0.3918

0.5127

404.3675, 0.3692,
0.3885

■ 0.9779, 0.4873,
0.5127

■ 0.0000, 0.0000,
0.0000

■ 73.7544, 0.4087,
0.4300

■ 73.7544, 0.4087,
0.4300

■ 69.8800, 0.4270,
0.4446

■ 77.9327, 0.3896,
0.4127

■ 66.2841, 0.4436,
0.4554

■ 82.4179, 0.3705,
0.3938

■ 62.9528, 0.4577,
0.4616

■ 87.2259, 0.3520,
0.3742

■ 59.8654, 0.4687,
0.4629

■ 92.3681, 0.3346,
0.3547

■ 58.0397, 0.4743,
0.4616

■ 97.8552, 0.3184,
0.3358

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



73.7544, 0.4394, 0.3884



73.7544, 0.4087, 0.4300



73.7544, 0.3537, 0.4478

Triad

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



73.7544, 0.4087, 0.4300



73.7544, 0.2051, 0.2995



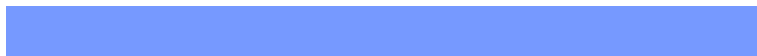
73.7544, 0.3249, 0.2544

Complementary

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



73.7544, 0.4087, 0.4300



33.8337, 0.2171, 0.1991

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.



73.7544, 0.2629, 0.2324



73.7544, 0.4087, 0.4300



73.7544, 0.1994, 0.2524

Square

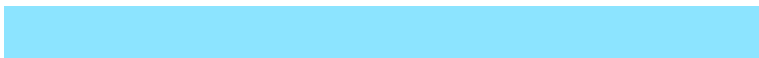
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.7544, 0.4087, 0.4300



73.7544, 0.2369, 0.3653



73.7544, 0.2192, 0.2306



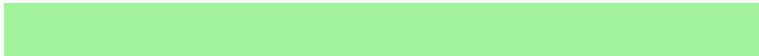
73.7544, 0.3897, 0.2922

Rectangle

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



73.7544, 0.4087, 0.4300



73.7544, 0.3116, 0.4374



73.7544, 0.2192, 0.2306



73.7544, 0.3029, 0.2450

Sweetspot

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



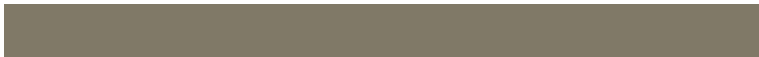
73.7579, 0.4087, 0.4300



91.1779, 0.3384, 0.3591



36.5564, 0.4281, 0.2921



19.2867, 0.3419, 0.3631



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.



73.7579, 0.4087, 0.4300



69.7843, 0.4274, 0.4449



88.5182, 0.3685, 0.4695



20.2593, 0.3276, 0.3466



30.5797, 0.4732, 0.4625



3.1527, 0.4656, 0.4685

Inverse Universe

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



33.8337, 0.2171, 0.1991



26.3889, 0.1989, 0.1699



26.6444, 0.2296, 0.1650



18.1314, 0.2979, 0.3108



5.9551, 0.1582, 0.0895



0.7462, 0.1640, 0.1105

Previews

White Background



This preview shows how the Yxy color 73.7544, 0.4087, 0.4300 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 73.7544, 0.4087, 0.4300 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 73.7544, 0.4087, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 73.7544, 0.4087, 0.4300.



This preview shows how white text looks on a background with the Yxy color 73.7544, 0.4087, 0.4300.

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

73.7544, 0.4087, 0.4300

Protanopia

73.7001, 0.3995, 0.4347

Deuteranopia

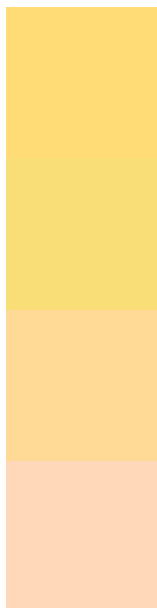
73.7880, 0.3750, 0.3774



Tritanopia

73.7288, 0.3364, 0.3170

Trichromacy



Original Color

73.7544, 0.4087, 0.4300

Protanomaly

73.7142, 0.4023, 0.4328

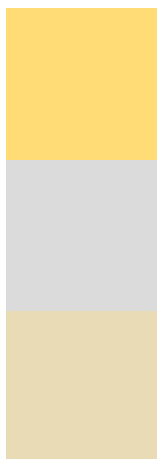
Deuteranomaly

73.6372, 0.3881, 0.3975

Tritanomaly

73.3637, 0.3646, 0.3600

Monochromacy



Original Color

73.7544, 0.4087, 0.4300

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.1962, 0.3479, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7544, 0.4087, 0.4300 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, 220, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 118)  
}
```

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, 220, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 118) }
```

Border

The CSS property to change the border of an element to Yxy 73.7544, 0.4087, 0.4300 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, 220, 118) }
```

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

```
.border{ border-color:rgb(255, 220, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
118) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 73.7544, 0.4087, 0.4300$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 118) }
```

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

```
.background{ background-color: rgb(255,  
220, 118) }
```

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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