

Converting Colors

$Y_{xy}(71.7522, 0.4090, 0.4238)$

Have a look what the booklet for
Yxy(71.7522, 0.4090, 0.4238)
contains.

Yxy(71.7522, 0.4090, 0.4238)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.7522, 0.4090, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	FFD879
RGB	255, 216, 121
RGB Percent	100%, 85%, 47%
CMY	0.0001, 0.1529, 0.5252
CMYK	0.00, 0.15, 0.53, 0.00
HSL	43°, 100%, 74%
HSV	43°, 53%, 100%
XYZ	69.2465, 71.7522, 28.3081
YIQ	216.8310, 53.7390, -21.2770

Conversions

Conversions Part 2

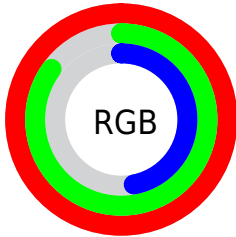
Format	Color
RYB	176, 255, 121
Decimal	16767097
CIELab	87.85, 2.28, 51.40
CIELCh	88, 51.453, 87.459
Yxy	71.7522, 0.4090, 0.4238
Android (android.graphics.Color)	4294957177 (0xFFFFD879)
YUV	216.8310, -47.2447, 33.4742
Hunter-Lab	84.7067, -2.3155, 39.4806

Details

The Yxy color **71.7522, 0.4090, 0.4238** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.4441, 0.2207, 0.2088**, and the grayscale version is **69.5732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **37.6552, 0.4293, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **67.4927, 0.4287, 0.4382**, and if you desaturate by 10%, it is **76.3556, 0.3889, 0.4069**.

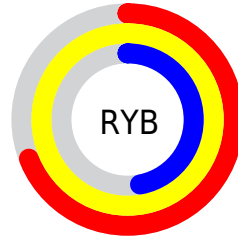
Distribution



Red (100%)

Green (85%)

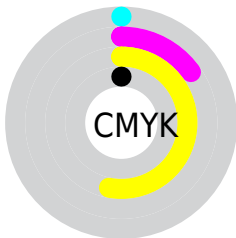
Blue (47%)



Red (69%)

Yellow (100%)

Blue (47%)

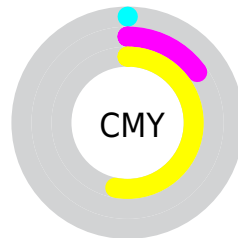


Cyan (0%)

Magenta (15%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7522, 0.4090, 0.4238 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 71.7522, 0.4090, 0.4238 by changing the saturation by 10% instead.


 71.7522, 0.4090,
0.4238

 71.7522, 0.4090,
0.4238


466.6786, 0.3660,
0.3820


 52.9563, 0.4180,
0.4324

 121.7042, 0.3947,
0.4100

 37.7679, 0.4286,
0.4425

 153.6290, 0.3889,
0.4044

 25.8026, 0.4410,
0.4542


 190.6989, 0.3839,
0.3994

 16.6760, 0.4554,
0.4675

233.2983, 0.3794,
0.3951

 10.0038, 0.4716,
0.4818

281.8116, 0.3755,
0.3913

 5.4015, 0.4963,
0.5037

336.6231, 0.3720,

 2.4847, 0.4989,

0.3878

0.5011

398.1174, 0.3689,
0.3848

0.8690, 0.5038,
0.4962

0.0000, 0.0000,
0.0000

71.7522, 0.4090,
0.4238

71.7522, 0.4090,
0.4238

67.4927, 0.4287,
0.4382

76.3556, 0.3889,
0.4069

63.5512, 0.4469,
0.4489

81.3068, 0.3691,
0.3886

59.9137, 0.4629,
0.4551

86.6221, 0.3502,
0.3699

56.5590, 0.4758,
0.4562

92.3136, 0.3327,
0.3513

■ 54.2134, 0.4836,
0.4542

■ 98.3925, 0.3165,
0.3334

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



71.7522, 0.4357, 0.3829



71.7522, 0.4090, 0.4238



71.7522, 0.3576, 0.4430

Triad

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



71.7522, 0.4090, 0.4238



71.7522, 0.2105, 0.3058



71.7522, 0.3192, 0.2544

Complementary

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



71.7522, 0.4090, 0.4238



36.4441, 0.2207, 0.2088

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.



71.7522, 0.2604, 0.2346



71.7522, 0.4090, 0.4238



71.7522, 0.2027, 0.2583

Square

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



71.7522, 0.4090, 0.4238



71.7522, 0.2435, 0.3694



71.7522, 0.2198, 0.2349



71.7522, 0.3820, 0.2900

Rectangle

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



71.7522, 0.4090, 0.4238



71.7522, 0.3171, 0.4351



71.7522, 0.2198, 0.2349



71.7522, 0.2982, 0.2458

Sweetspot

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



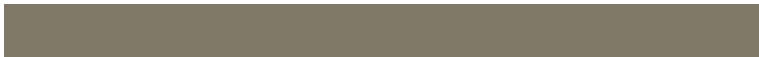
71.7556, 0.4090, 0.4238



90.3015, 0.3386, 0.3577



37.5290, 0.4187, 0.2881



19.0766, 0.3422, 0.3615



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.



71.7556, 0.4090, 0.4238



67.3051, 0.4296, 0.4388



89.4206, 0.3706, 0.4650



20.1451, 0.3276, 0.3458



28.6012, 0.4823, 0.4553



2.9734, 0.4733, 0.4624

Inverse Universe

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



36.4441, 0.2207, 0.2088



28.6994, 0.2023, 0.1801



27.1906, 0.2287, 0.1677



18.2390, 0.2979, 0.3116



6.5683, 0.1604, 0.0973



0.8181, 0.1664, 0.1190

Previews

White Background



This preview shows how the Yxy color 71.7522, 0.4090, 0.4238 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 71.7522, 0.4090, 0.4238 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 71.7522, 0.4090, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 71.7522, 0.4090, 0.4238.



This preview shows how white text looks on a background with the Yxy color 71.7522, 0.4090, 0.4238.

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

71.7522, 0.4090, 0.4238

Protanopia

72.0202, 0.3950, 0.4307

Deuteranopia

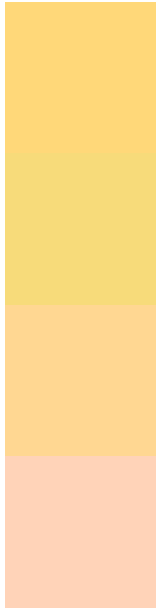
71.9263, 0.3826, 0.3837



Tritanopia

71.5391, 0.3399, 0.3169

Trichromacy



Original Color

71.7522, 0.4090, 0.4238

Protanomaly

71.8423, 0.4005, 0.4282

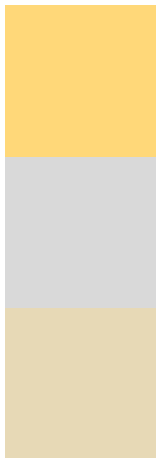
Deuteranomaly

71.9362, 0.3929, 0.3996

Tritanomaly

71.3092, 0.3664, 0.3570

Monochromacy



Original Color

71.7522, 0.4090, 0.4238

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9920, 0.3476, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7522, 0.4090, 0.4238 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, 216, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 121)  
}
```

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, 216, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 121) }
```

Border

The CSS property to change the border of an element to Yxy 71.7522, 0.4090, 0.4238 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, 216, 121) }
```

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

```
.border{ border-color:rgb(255, 216, 121) }
```

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

Here you see how a box with a 4 pixel rgb(255, 216, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7522, 0.4090, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 121) }
```

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

```
.background{ background-color: rgb(255,  
216, 121) }
```

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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