

Converting Colors

$Y_{xy}(73.8986, 0.4158, 0.4416)$

Have a look what the booklet for
Yxy(73.8986, 0.4158, 0.4416)
contains.

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Color

Yxy(73.9928, 0.4155, 0.4414)

Conversions

Conversions Part 1

Format	Color
Hex	FFDD69
RGB	255, 221, 105
RGB Percent	100%, 87%, 41%
CMY	0.0000, 0.1333, 0.5880
CMYK	0.00, 0.13, 0.59, 0.00
HSL	46°, 100%, 71%
HSV	46°, 59%, 100%
XYZ	69.6511, 73.9928, 23.9882
YIQ	217.9420, 57.5000, -28.8680

Conversions

Conversions Part 2

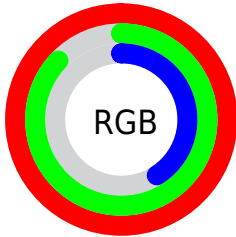
Format	Color
RYB	149, 255, 105
Decimal	16768361
CIELab	88.92, -1.46, 60.10
CIELCh	89, 60.119, 91.387
Yxy	73.9928, 0.4155, 0.4414
Android (android.graphics.Color)	4294958441 (0xFFFFDD69)
YUV	217.9420, -55.6804, 32.4999
Hunter-Lab	86.0191, -5.9988, 43.6791

Details

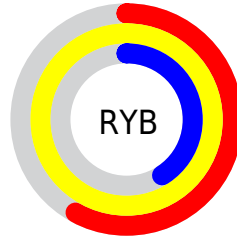
The Yxy color **73.9928, 0.4155, 0.4414** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.7057, 0.2067, 0.1792**, and the grayscale version is **70.4341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **39.1136, 0.4343, 0.4623** is the 20% darker color. If you saturate the color by 10%, you get **70.5451, 0.4320, 0.4547**, and if you desaturate by 10%, it is **77.7059, 0.3976, 0.4249**.

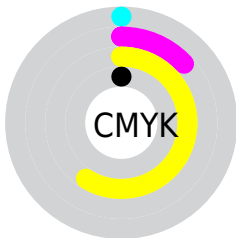
Distribution



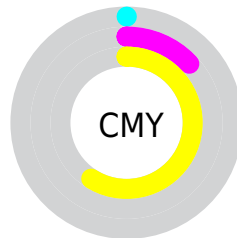
- Red (100%)
- Green (87%)
- Blue (41%)



- Red (58%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (13%)
- Yellow (59%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9928, 0.4155, 0.4414 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 73.9928, 0.4155, 0.4414 by changing the saturation by 10% instead.


 73.9928, 0.4155,
0.4414

 73.9928, 0.4155,
0.4414


474.4485, 0.3710,
0.3924


 54.7881, 0.4243,
0.4512

 124.8856, 0.4010,
0.4254


 39.2321, 0.4344,
0.4625


 157.3425, 0.3951,
0.4188

 26.9404, 0.4456,
0.4753


 194.9857, 0.3899,
0.4131

 17.5284, 0.4578,
0.4893

 238.1995, 0.3852,
0.4080

 10.6120, 0.4714,
0.5053

287.3682, 0.3811,
0.4034

 5.8066, 0.4816,
0.5184

342.8764, 0.3774,

 2.7278, 0.4800,

0.3994

0.5200

405.1084, 0.3741,
0.3957

■ 0.9913, 0.4771,
0.5229

■ 0.0000, 0.0000,
0.0000

■ 73.9928, 0.4155,
0.4414

■ 73.9928, 0.4155,
0.4414

■ 70.5451, 0.4320,
0.4547

■ 77.7059, 0.3976,
0.4249

■ 67.3427, 0.4463,
0.4637

■ 81.6935, 0.3791,
0.4061

■ 64.3687, 0.4577,
0.4679

■ 85.9697, 0.3607,
0.3861

■ 61.5972, 0.4662,
0.4675

■ 90.5458, 0.3430,
0.3658

61.2754, 0.4671,
0.4673

95.4326, 0.3264,
0.3459

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



73.9928, 0.4520, 0.3952



73.9928, 0.4155, 0.4414



73.9928, 0.3537, 0.4616

Triad

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



73.9928, 0.4155, 0.4414



73.9928, 0.1936, 0.2924



73.9928, 0.3293, 0.2488

Complementary

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



73.9928, 0.4155, 0.4414



28.7057, 0.2067, 0.1792

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.



73.9928, 0.2602, 0.2240



73.9928, 0.4155, 0.4414



73.9928, 0.1891, 0.2423

Square

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



73.9928, 0.4155, 0.4414



73.9928, 0.2266, 0.3656



73.9928, 0.2116, 0.2205



73.9928, 0.4012, 0.2903

Rectangle

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



73.9928, 0.4155, 0.4414



73.9928, 0.3073, 0.4492



73.9928, 0.2116, 0.2205



73.9928, 0.3048, 0.2384

Sweetspot

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



73.9944, 0.4155, 0.4414



90.9271, 0.3416, 0.3642



33.2679, 0.4522, 0.2948



19.1688, 0.3467, 0.3701



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.



73.9944, 0.4155, 0.4414



69.8213, 0.4353, 0.4570



86.9900, 0.3686, 0.4833



20.3510, 0.3275, 0.3473



32.2531, 0.4662, 0.4681



3.3031, 0.4597, 0.4732

Inverse Universe

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



28.7057, 0.2067, 0.1792



20.9354, 0.1860, 0.1442



23.3564, 0.2238, 0.1503



18.0457, 0.2979, 0.3101



5.5269, 0.1567, 0.0840



0.6938, 0.1623, 0.1041

Previews

White Background



This preview shows how the Yxy color 73.9928, 0.4155, 0.4414 looks on a white background.

Color Contrast Check

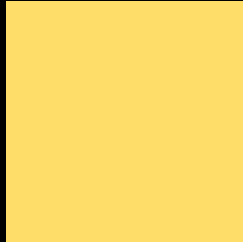
Large Text (above 18pt) WCAG AA × Fail

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 73.9928, 0.4155, 0.4414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

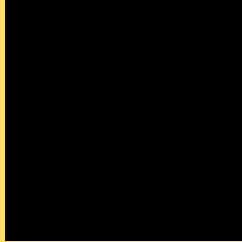
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.9928, 0.4155, 0.4414

Background



This preview shows how black text looks on a background with the Yxy color 73.9928, 0.4155, 0.4414.



This preview shows how white text looks on a background with the Yxy color 73.9928, 0.4155, 0.4414.

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

73.9928, 0.4155, 0.4414

Protanopia

74.3084, 0.4078, 0.4458

Deuteranopia

73.7503, 0.3757, 0.3784



Tritanopia

73.7288, 0.3364, 0.3170

Trichromacy



Original Color

73.9928, 0.4155, 0.4414

Protanomaly

74.3252, 0.4107, 0.4439

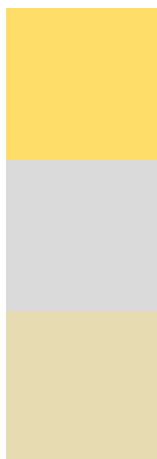
Deuteranomaly

73.4781, 0.3916, 0.4024

Tritanomaly

73.1971, 0.3675, 0.3641

Monochromacy



Original Color

73.9928, 0.4155, 0.4414

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.8263, 0.3507, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9928, 0.4155, 0.4414 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, 221, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 105)  
}
```

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, 221, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 105) }
```

Border

The CSS property to change the border of an element to Yxy 73.9928, 0.4155, 0.4414 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, 221, 105) }
```

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

```
.border{ border-color:rgb(255, 221, 105) }
```

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

Here you see how a box with a 4 pixel rgb(255, 221, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9928, 0.4155, 0.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 105) }
```

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

```
.background{ background-color: rgb(255,  
221, 105) }
```

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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