

Converting Colors

$Y_{xy}(89.7256, 0.4599, 0.4212)$

Have a look what the booklet for
Yxy(89.7256, 0.4599, 0.4212)
contains.

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Color

Yxy(75.5708, 0.4142, 0.4447)

Conversions

Conversions Part 1

Format	Color
Hex	FFE068
RGB	255, 224, 104
RGB Percent	100%, 88%, 41%
CMY	0.0001, 0.1215, 0.5921
CMYK	0.00, 0.12, 0.59, 0.00
HSL	48°, 100%, 70%
HSV	48°, 59%, 100%
XYZ	70.3877, 75.5708, 23.9781
YIQ	219.5890, 56.9960, -30.7480

Conversions

Conversions Part 2

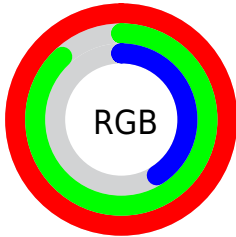
Format	Color
R_{YB}	143, 255, 104
Decimal	16769128
CIE Lab	89.66, -3.06, 61.40
CIE LCh	90, 61.472, 92.857
Yxy	75.5708, 0.4142, 0.4447
Android (android.graphics.Color)	4294959208 (0xFFFFE068)
YUV	219.5890, -56.9854, 31.0554
Hunter-Lab	86.9315, -7.6000, 44.4982

Details

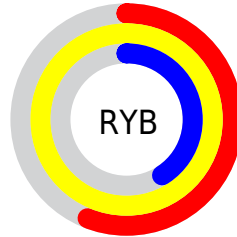
The Yxy color **75.5708, 0.4142, 0.4447** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **27.4842, 0.2051, 0.1739**, and the grayscale version is **71.6451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2832, 0.3695, 0.4228**, and **40.1998, 0.4324, 0.4666** is the 20% darker color. If you saturate the color by 10%, you get **72.3642, 0.4299, 0.4581**, and if you desaturate by 10%, it is **79.0276, 0.3970, 0.4279**.

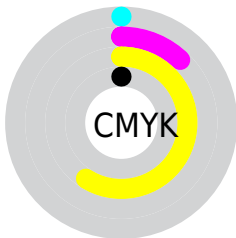
Distribution



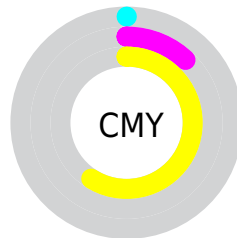
- Red (100%)
- Green (88%)
- Blue (41%)



- Red (56%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (12%)
- Yellow (59%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5708, 0.4142, 0.4447 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 75.5708, 0.4142, 0.4447 by changing the saturation by 10% instead.


 75.5708, 0.4142,
0.4447


 75.5708, 0.4142,
0.4447

479.8772, 0.3707,
0.3943


 56.0806, 0.4227,
0.4548


 127.1200, 0.4002,
0.4282


 40.2676, 0.4323,
0.4664


 159.9479, 0.3944,
0.4215

 27.7472, 0.4430,
0.4795


 197.9904, 0.3893,
0.4156

 18.1352, 0.4544,
0.4940

 241.6320, 0.3847,
0.4103

 11.0471, 0.4669,
0.5105

291.2571, 0.3806,
0.4057

 6.0985, 0.4756,
0.5244

347.2501, 0.3770,

 2.9051, 0.4722,

0.4015

409.9953, 0.3737,
0.3977

0.5278

■ 1.0824, 0.4663,
0.5337

■ 0.0000, 0.0000,
0.0000

■ 75.5708, 0.4142,
0.4447

■ 75.5708, 0.4142,
0.4447

■ 72.3642, 0.4299,
0.4581

■ 79.0276, 0.3970,
0.4279

■ 69.3816, 0.4432,
0.4673

■ 82.7375, 0.3790,
0.4088

■ 66.6086, 0.4537,
0.4716

■ 86.7161, 0.3610,
0.3884

■ 64.0183, 0.4613,
0.4716

■ 90.9748, 0.3435,
0.3676

■ 63.8172, 0.4618,
0.4715

■ 95.5239, 0.3269,
0.3472

99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



75.5708, 0.4530, 0.3984



75.5708, 0.4142, 0.4447



75.5708, 0.3507, 0.4636

Triad

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



75.5708, 0.4142, 0.4447



75.5708, 0.1912, 0.2886



75.5708, 0.3332, 0.2495

Complementary

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



75.5708, 0.4142, 0.4447



27.4842, 0.2051, 0.1739

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.



75.5708, 0.2624, 0.2234



75.5708, 0.4142, 0.4447



75.5708, 0.1880, 0.2393

Square

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



75.5708, 0.4142, 0.4447



75.5708, 0.2230, 0.3623



75.5708, 0.2121, 0.2187



75.5708, 0.4057, 0.2921

Rectangle

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



75.5708, 0.4142, 0.4447



75.5708, 0.3036, 0.4494



75.5708, 0.2121, 0.2187



75.5708, 0.3082, 0.2386

Sweetspot

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



75.5744, 0.4142, 0.4447



91.5289, 0.3415, 0.3651



32.9579, 0.4570, 0.2972



19.3171, 0.3464, 0.3712



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.



75.5744, 0.4142, 0.4447



71.8294, 0.4324, 0.4601



86.5297, 0.3670, 0.4852



20.4208, 0.3274, 0.3478



33.5746, 0.4610, 0.4722



3.4211, 0.4553, 0.4767

Inverse Universe

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



27.4842, 0.2051, 0.1739



20.0601, 0.1848, 0.1396



23.3067, 0.2250, 0.1498



17.9810, 0.2979, 0.3095



5.2382, 0.1556, 0.0802



0.6571, 0.1610, 0.0995

Previews

White Background



This preview shows how the Yxy color 75.5708, 0.4142, 0.4447 looks on a white background.

Color Contrast Check

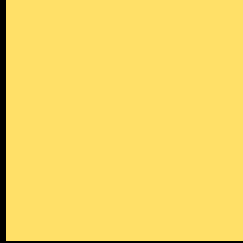
Large Text (above 18pt) WCAG AA × Fail

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 75.5708, 0.4142, 0.4447 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 75.5708, 0.4142, 0.4447

Background



This preview shows how black text looks on a background with the Yxy color 75.5708, 0.4142, 0.4447.



This preview shows how white text looks on a background with the Yxy color 75.5708, 0.4142, 0.4447.

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

75.5708, 0.4142, 0.4447

Protanopia

75.7366, 0.4087, 0.4475

Deuteranopia

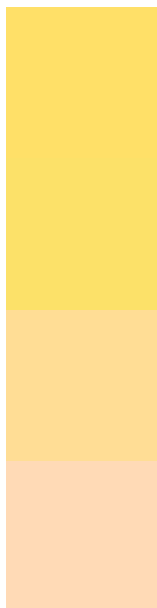
75.5415, 0.3704, 0.3752



Tritanopia

75.4069, 0.3338, 0.3170

Trichromacy



Original Color

75.5708, 0.4142, 0.4447

Protanomaly

75.5658, 0.4108, 0.4459

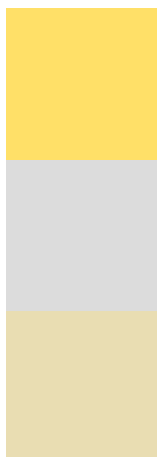
Deuteranomaly

75.1428, 0.3883, 0.4023

Tritanomaly

74.7802, 0.3659, 0.3661

Monochromacy



Original Color

75.5708, 0.4142, 0.4447

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.2509, 0.3511, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5708, 0.4142, 0.4447 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 104) }
```

Border

The CSS property to change the border of an element to Yxy 75.5708, 0.4142, 0.4447 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, 104) }
```

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

```
.border{ border-color:rgb(255, 224, 104) }
```

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, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5708, 0.4142, 0.4447 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, 104) }
```

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

```
.background{ background-color: rgb(255,  
224, 104) }
```

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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