

Converting Colors

$Y_{xy}(75.5729, 0.4376, 0.4154)$

Have a look what the booklet for
Yxy(75.5729, 0.4376, 0.4154)
contains.

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Color

Yxy(69.5848, 0.4151, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	FFD473
RGB	255, 212, 115
RGB Percent	100%, 83%, 45%
CMY	0.0000, 0.1686, 0.5491
CMYK	0.00, 0.17, 0.55, 0.00
HSL	42°, 100%, 73%
HSV	42°, 55%, 100%
XYZ	67.8840, 69.5848, 26.0677
YIQ	213.7990, 56.7650, -21.0510

Conversions

Conversions Part 2

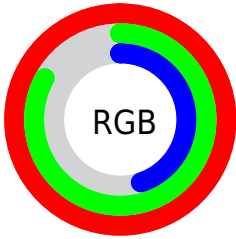
Format	Color
RYB	177, 255, 115
Decimal	16766067
CIELab	86.79, 3.86, 53.04
CIElCh	87, 53.182, 85.833
Yxy	69.5848, 0.4151, 0.4255
Android (android.graphics.Color)	4294956147 (0xFFFFD473)
YUV	213.7990, -48.7079, 36.1333
Hunter-Lab	83.4175, -0.7198, 39.8643

Details

The Yxy color **69.5848, 0.4151, 0.4255** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.3132, 0.2170, 0.2052**, and the grayscale version is **67.4053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **36.4147, 0.4351, 0.4446** is the 20% darker color. If you saturate the color by 10%, you get **65.2543, 0.4351, 0.4388**, and if you desaturate by 10%, it is **74.2649, 0.3945, 0.4094**.

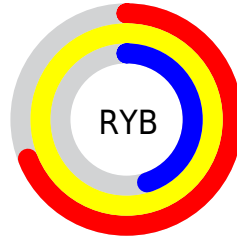
Distribution



Red (100%)

Green (83%)

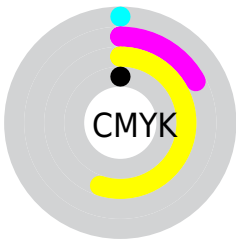
Blue (45%)



Red (69%)

Yellow (100%)

Blue (45%)

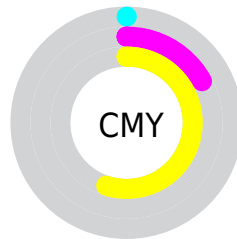


Cyan (0%)

Magenta (17%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (17%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5848, 0.4151, 0.4255 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 69.5848, 0.4151, 0.4255 by changing the saturation by 10% instead.


 69.5848, 0.4151,
0.4255


 69.5848, 0.4151,
0.4255


459.0908, 0.3692,
0.3831

 51.1881, 0.4247,
0.4341


 118.6165, 0.3998,
0.4116

 36.3583, 0.4359,
0.4441


 150.0202, 0.3937,
0.4059

 24.7111, 0.4491,
0.4555


 186.5285, 0.3883,
0.4009

 15.8619, 0.4643,
0.4681

228.5256, 0.3835,
0.3965

 9.4265, 0.4814,
0.4815

276.3960, 0.3794,
0.3926

 5.0204, 0.5029,
0.4971

330.5241, 0.3756,

 2.2592, 0.5075,

0.3891

0.4925

391.2942, 0.3723,
0.3860

■ 0.7520, 0.5183,
0.4817

■ 0.0000, 0.0000,
0.0000

■ 69.5848, 0.4151,
0.4255

■ 69.5848, 0.4151,
0.4255

■ 65.2543, 0.4351,
0.4388

■ 74.2649, 0.3945,
0.4094

■ 61.2610, 0.4536,
0.4483

■ 79.3133, 0.3742,
0.3917

■ 57.5849, 0.4696,
0.4530

■ 84.7424, 0.3549,
0.3734

■ 54.2033, 0.4823,
0.4526

■ 90.5647, 0.3368,
0.3551

■ 52.5793, 0.4879,
0.4508

■ 96.7922, 0.3203,
0.3374

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.



69.5848, 0.4415, 0.3819



69.5848, 0.4151, 0.4255



69.5848, 0.3624, 0.4479

Triad

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



69.5848, 0.4151, 0.4255



69.5848, 0.2076, 0.3078



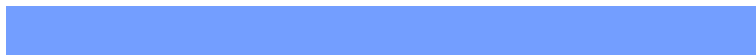
69.5848, 0.3157, 0.2500

Complementary

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



69.5848, 0.4151, 0.4255



35.3132, 0.2170, 0.2052

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.



69.5848, 0.2553, 0.2305



69.5848, 0.4151, 0.4255



69.5848, 0.1982, 0.2571

Square

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



69.5848, 0.4151, 0.4255



69.5848, 0.2431, 0.3749



69.5848, 0.2146, 0.2318



69.5848, 0.3817, 0.2860

Rectangle

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



69.5848, 0.4151, 0.4255



69.5848, 0.3204, 0.4417



69.5848, 0.2146, 0.2318



69.5848, 0.2940, 0.2414

Sweetspot

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



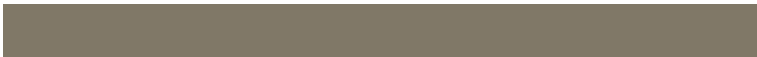
69.5835, 0.4151, 0.4255



89.9093, 0.3387, 0.3570



36.0326, 0.4233, 0.2843



18.9827, 0.3424, 0.3608



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.



69.5835, 0.4151, 0.4255



64.8021, 0.4372, 0.4401



89.4699, 0.3742, 0.4697



20.0939, 0.3277, 0.3454



27.7507, 0.4865, 0.4519



2.8957, 0.4769, 0.4595

Inverse Universe

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



35.3132, 0.2170, 0.2052



27.5206, 0.1982, 0.1754



25.1106, 0.2224, 0.1591



18.2875, 0.2979, 0.3120



6.8736, 0.1614, 0.1010



0.8529, 0.1675, 0.1231

Previews

White Background



This preview shows how the Yxy color 69.5848, 0.4151, 0.4255 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 69.5848, 0.4151, 0.4255 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 69.5848, 0.4151, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 69.5848, 0.4151, 0.4255.



This preview shows how white text looks on a background with the Yxy color 69.5848, 0.4151, 0.4255.

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

69.5848, 0.4151, 0.4255

Protanopia

69.9524, 0.3986, 0.4342

Deuteranopia

69.5552, 0.3922, 0.3909



Tritanopia

69.4036, 0.3435, 0.3169

Trichromacy



Original Color

69.5848, 0.4151, 0.4255

Protanomaly

69.7852, 0.4042, 0.4316

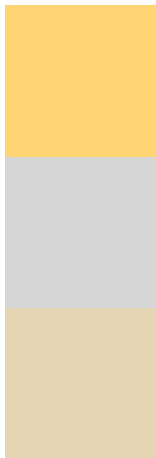
Deuteranomaly

69.6547, 0.4010, 0.4046

Tritanomaly

69.1403, 0.3714, 0.3582

Monochromacy



Original Color

69.5848, 0.4151, 0.4255

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.4609, 0.3498, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5848, 0.4151, 0.4255 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, 212, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 115)  
}
```

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, 212, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 115) }
```

Border

The CSS property to change the border of an element to Yxy 69.5848, 0.4151, 0.4255 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, 212, 115) }
```

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

```
.border{ border-color:rgb(255, 212, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5848, 0.4151, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 115) }
```

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

```
.background{ background-color: rgb(255,  
212, 115) }
```

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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