

Converting Colors

$Y_{xy}(70.5701, 0.4201, 0.4241)$

Have a look what the booklet for
Yxy(70.5701, 0.4201, 0.4241)
contains.

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Color

Yxy(69.5619, 0.4157, 0.4264)

Conversions

Conversions Part 1

Format	Color
Hex	FFD472
RGB	255, 212, 114
RGB Percent	100%, 83%, 45%
CMY	0.0000, 0.1686, 0.5531
CMYK	0.00, 0.17, 0.55, 0.00
HSL	42°, 100%, 72%
HSV	42°, 55%, 100%
XYZ	67.8163, 69.5619, 25.7594
YIQ	213.6850, 57.0860, -21.3620

Conversions

Conversions Part 2

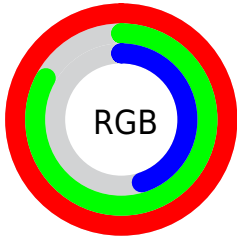
Format	Color
R_{YB}	176, 255, 114
Decimal	16766066
CIE _{Lab}	86.78, 3.76, 53.51
CIE _{LCh}	87, 53.646, 85.976
Yxy	69.5619, 0.4157, 0.4264
Android (android.graphics.Color)	4294956146 (0xFFFFD472)
YUV	213.6850, -49.1447, 36.2333
Hunter-Lab	83.4038, -0.8167, 40.0708

Details

The Yxy color **69.5619, 0.4157, 0.4264** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.8873, 0.2162, 0.2037**, and the grayscale version is **67.3292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **36.4036, 0.4357, 0.4455** is the 20% darker color. If you saturate the color by 10%, you get **65.2710, 0.4356, 0.4396**, and if you desaturate by 10%, it is **74.2082, 0.3952, 0.4104**.

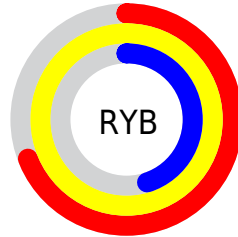
Distribution



Red (100%)

Green (83%)

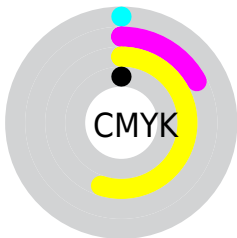
Blue (45%)



Red (69%)

Yellow (100%)

Blue (45%)

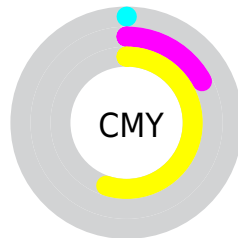


Cyan (0%)

Magenta (17%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5619, 0.4157, 0.4264 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 69.5619, 0.4157, 0.4264 by changing the saturation by 10% instead.


 69.5619, 0.4157,
0.4264


 69.5619, 0.4157,
0.4264


459.0103, 0.3696,
0.3837


 51.1695, 0.4253,
0.4351


 118.5838, 0.4003,
0.4123

 36.3435, 0.4366,
0.4451


 149.9820, 0.3942,
0.4066

 24.6996, 0.4497,
0.4565


 186.4843, 0.3888,
0.4016

 15.8534, 0.4648,
0.4692

228.4750, 0.3840,
0.3972

 9.4205, 0.4819,
0.4826

276.3386, 0.3798,
0.3932

 5.0164, 0.5025,
0.4975

330.4594, 0.3760,

 2.2569, 0.5070,

0.3897

0.4930

391.2218, 0.3727,
0.3865

■ 0.7508, 0.5176,
0.4824

■ 0.0000, 0.0000,
0.0000

■ 69.5619, 0.4157,
0.4264

■ 69.5619, 0.4157,
0.4264

■ 65.2710, 0.4356,
0.4396

■ 74.2082, 0.3952,
0.4104

■ 61.3092, 0.4539,
0.4490

■ 79.2148, 0.3750,
0.3927

■ 57.6609, 0.4696,
0.4535

■ 84.5984, 0.3556,
0.3742

■ 54.3036, 0.4822,
0.4529

■ 90.3718, 0.3375,
0.3559

■ 52.8145, 0.4872,
0.4513

■ 96.5468, 0.3209,
0.3381

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



69.5619, 0.4425, 0.3824



69.5619, 0.4157, 0.4264



69.5619, 0.3624, 0.4490

Triad

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



69.5619, 0.4157, 0.4264



69.5619, 0.2067, 0.3073



69.5619, 0.3160, 0.2495

Complementary

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



69.5619, 0.4157, 0.4264



34.8873, 0.2162, 0.2037

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.



69.5619, 0.2551, 0.2298



69.5619, 0.4157, 0.4264



69.5619, 0.1974, 0.2563

Square

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



69.5619, 0.4157, 0.4264



69.5619, 0.2422, 0.3750



69.5619, 0.2140, 0.2310



69.5619, 0.3826, 0.2859

Rectangle

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



69.5619, 0.4157, 0.4264



69.5619, 0.3201, 0.4426



69.5619, 0.2140, 0.2310



69.5619, 0.2941, 0.2409

Sweetspot

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



69.5652, 0.4157, 0.4264



89.3747, 0.3405, 0.3590



35.7739, 0.4245, 0.2840



18.8777, 0.3440, 0.3626



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.



69.5652, 0.4157, 0.4264



64.9919, 0.4369, 0.4404



89.4080, 0.3745, 0.4706



20.1014, 0.3277, 0.3455



27.8750, 0.4858, 0.4524



2.9071, 0.4764, 0.4600

Inverse Universe

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



34.8873, 0.2162, 0.2037



27.4055, 0.1981, 0.1749



24.8046, 0.2217, 0.1578



18.2803, 0.2979, 0.3120



6.8273, 0.1613, 0.1005



0.8477, 0.1674, 0.1225

Previews

White Background



This preview shows how the Yxy color 69.5619, 0.4157, 0.4264 looks on a white background.

Color Contrast Check

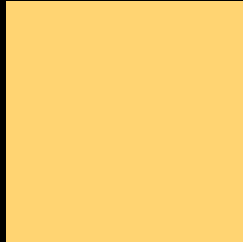
Large Text (above 18pt) WCAG AA × Fail

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 69.5619, 0.4157, 0.4264 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 69.5619, 0.4157, 0.4264

Background



This preview shows how black text looks on a background with the Yxy color 69.5619, 0.4157, 0.4264.



This preview shows how white text looks on a background with the Yxy color 69.5619, 0.4157, 0.4264.

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

69.5619, 0.4157, 0.4264

Protanopia

69.9290, 0.3992, 0.4351

Deuteranopia

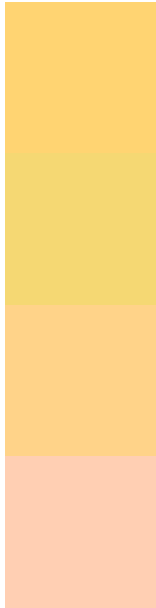
69.5552, 0.3922, 0.3909



Tritanopia

69.4036, 0.3435, 0.3169

Trichromacy



Original Color

69.5619, 0.4157, 0.4264

Protanomaly

69.7620, 0.4048, 0.4325

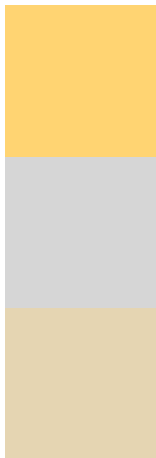
Deuteranomaly

69.6547, 0.4010, 0.4046

Tritanomaly

69.1403, 0.3714, 0.3582

Monochromacy



Original Color

69.5619, 0.4157, 0.4264

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 69.5619, 0.4157, 0.4264 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, 114)` looks like.

```
.text, #text, p{  
  color:rgb(255, 212, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 114) }
```

Border

The CSS property to change the border of an element to Yxy 69.5619, 0.4157, 0.4264 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, 114) }
```

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

```
.border{ border-color:rgb(255, 212, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5619, 0.4157, 0.4264 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, 114) }
```

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

```
.background{ background-color: rgb(255,  
212, 114) }
```

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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