

Converting Colors

$Y_{xy}(71.2995, 0.4416, 0.4102)$

Have a look what the booklet for
Yxy(71.2995, 0.4416, 0.4102)
contains.

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Color

Yxy(65.6606, 0.4205, 0.4191)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC72
RGB	255, 204, 114
RGB Percent	100%, 80%, 45%
CMY	0.0000, 0.2000, 0.5528
CMYK	0.00, 0.20, 0.55, 0.00
HSL	38°, 100%, 72%
HSV	38°, 55%, 100%
XYZ	65.8799, 65.6606, 25.1299
YIQ	208.9890, 59.2860, -17.1780

Conversions

Conversions Part 2

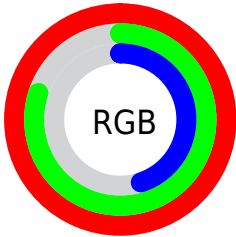
Format	Color
RYB	194, 255, 114
Decimal	16764018
CIELab	84.82, 7.91, 51.15
CIElCh	85, 51.761, 81.206
Yxy	65.6606, 0.4205, 0.4191
Android (android.graphics.Color)	4294954098 (0xFFFFCC72)
YUV	208.9890, -46.8296, 40.3516
Hunter-Lab	81.0312, 3.3193, 38.3344

Details

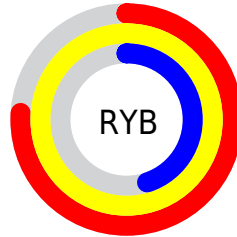
The Yxy color **65.6606, 0.4205, 0.4191** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.7240, 0.2184, 0.2143**, and the grayscale version is **64.0340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **33.7626, 0.4434, 0.4367** is the 20% darker color. If you saturate the color by 10%, you get **60.8989, 0.4426, 0.4313**, and if you desaturate by 10%, it is **70.8388, 0.3982, 0.4042**.

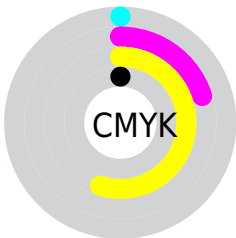
Distribution



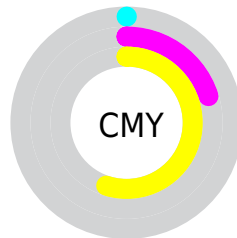
- Red (100%)
- Green (80%)
- Blue (45%)



- Red (76%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (20%)
- Yellow (55%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6606, 0.4205, 0.4191 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 65.6606, 0.4205, 0.4191 by changing the saturation by 10% instead.

 65.6606, 0.4205,
0.4191

 65.6606, 0.4205,
0.4191


445.1621, 0.3714,
0.3797


 47.9969, 0.4310,
0.4270


 112.9991, 0.4039,
0.4062

 33.8245, 0.4434,
0.4362


 143.4427, 0.3973,
0.4009

 22.7588, 0.4582,
0.4464


 178.9150, 0.3916,
0.3963

 14.4155, 0.4755,
0.4576

219.8005, 0.3865,
0.3922

 8.4102, 0.4961,
0.4692

266.4836, 0.3821,
0.3885

 4.3585, 0.5203,
0.4797

319.3486, 0.3781,

 1.8761, 0.5307,

0.3852

0.4693

378.7800, 0.3745,
0.3823

■ 0.5339, 0.5675,
0.4325

■ 0.0000, 0.0000,
0.0000

■ 65.6606, 0.4205,
0.4191

■ 65.6606, 0.4205,
0.4191

■ 60.8989, 0.4426,
0.4313

■ 70.8388, 0.3982,
0.4042

■ 56.5432, 0.4634,
0.4396

■ 76.4578, 0.3767,
0.3877

■ 52.5703, 0.4818,
0.4430

■ 82.5305, 0.3564,
0.3707

■ 48.9554, 0.4968,
0.4411

■ 89.0710, 0.3378,
0.3537

47.3593, 0.5030,
0.4388

96.0928, 0.3209,
0.3373

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.



65.6606, 0.4413, 0.3742



65.6606, 0.4205, 0.4191



65.6606, 0.3713, 0.4458

Triad

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



65.6606, 0.4205, 0.4191



65.6606, 0.2121, 0.3177



65.6606, 0.3056, 0.2463

Complementary

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



65.6606, 0.4205, 0.4191



37.7240, 0.2184, 0.2143

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.



65.6606, 0.2480, 0.2299



65.6606, 0.4205, 0.4191



65.6606, 0.1987, 0.2639

Square

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



65.6606, 0.4205, 0.4191



65.6606, 0.2511, 0.3847



65.6606, 0.2111, 0.2347



65.6606, 0.3716, 0.2800

Rectangle

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



65.6606, 0.4205, 0.4191



65.6606, 0.3302, 0.4439



65.6606, 0.2111, 0.2347



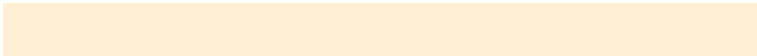
65.6606, 0.2846, 0.2387

Sweetspot

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



65.6580, 0.4205, 0.4191



87.9131, 0.3409, 0.3566



36.0448, 0.4156, 0.2768



18.5311, 0.3445, 0.3600



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.



65.6580, 0.4205, 0.4191



60.5727, 0.4441, 0.4321



90.6035, 0.3794, 0.4680



19.9204, 0.3278, 0.3441



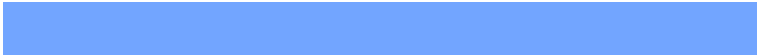
25.0399, 0.5013, 0.4402



2.6457, 0.4894, 0.4496

Inverse Universe

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



37.7240, 0.2184, 0.2143



30.2854, 0.2011, 0.1875



24.2344, 0.2169, 0.1559



18.4536, 0.2979, 0.3134



8.0536, 0.1653, 0.1150



0.9828, 0.1715, 0.1375

Previews

White Background



This preview shows how the Yxy color 65.6606, 0.4205, 0.4191 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 65.6606, 0.4205, 0.4191 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 65.6606, 0.4205, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 65.6606, 0.4205, 0.4191.



This preview shows how white text looks on a background with the Yxy color 65.6606, 0.4205, 0.4191.

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

65.6606, 0.4205, 0.4191

Protanopia

65.6950, 0.3961, 0.4311

Deuteranopia

65.5569, 0.4108, 0.4046



Tritanopia

65.7960, 0.3501, 0.3168

Trichromacy



Original Color

65.6606, 0.4205, 0.4191

Protanomaly

65.5627, 0.4049, 0.4266

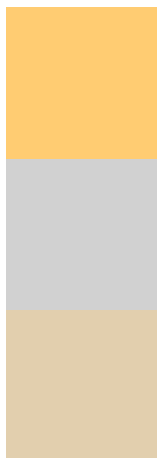
Deuteranomaly

65.4271, 0.4143, 0.4093

Tritanomaly

65.6245, 0.3775, 0.3563

Monochromacy



Original Color

65.6606, 0.4205, 0.4191

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.8504, 0.3518, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6606, 0.4205, 0.4191 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, 204, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 114) }
```

Border

The CSS property to change the border of an element to Yxy 65.6606, 0.4205, 0.4191 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, 204, 114) }
```

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

```
.border{ border-color:rgb(255, 204, 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, 204, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6606, 0.4205, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 114) }
```

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

```
.background{ background-color: rgb(255,  
204, 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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