

# Converting Colors

Yxy(64.9815, 0.4228, 0.4200)

Have a look what the booklet for  
Yxy(64.9815, 0.4228, 0.4200)  
contains.

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# Color

**Yxy(65.1417, 0.4224, 0.4200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCB70
RGB	255, 203, 112
RGB Percent	100%, 80%, 44%
CMY	0.0001, 0.2039, 0.5609
CMYK	0.00, 0.20, 0.56, 0.00
HSL	38°, 100%, 72%
HSV	38°, 56%, 100%
XYZ	65.5139, 65.1417, 24.4436
YIQ	208.1740, 60.2030, -17.2770

# Conversions

## Conversions Part 2

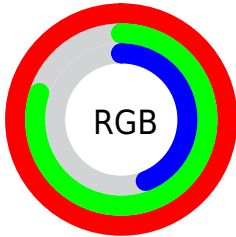
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	194, 255, 112
Decimal	16763760
CIE <sub>Lab</sub>	84.56, 8.24, 51.82
CIE <sub>LCh</sub>	85, 52.472, 80.965
Yxy	65.1417, 0.4224, 0.4200
Android (android.graphics.Color)	4294953840 (0xFFFFCB70)
YUV	208.1740, -47.4138, 41.0664
Hunter-Lab	80.7104, 3.6481, 38.5409

# Details

The Yxy color **65.1417, 0.4224, 0.4200** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.1930, 0.2172, 0.2126**, and the grayscale version is **63.4794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **33.4232, 0.4458, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **60.4083, 0.4445, 0.4319**, and if you desaturate by 10%, it is **70.3037, 0.4001, 0.4053**.

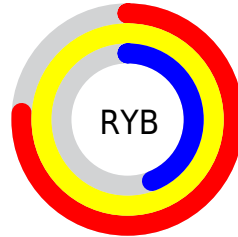
# Distribution



Red (100%)

Green (80%)

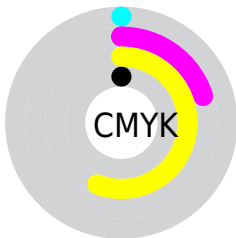
Blue (44%)



Red (76%)

Yellow (100%)

Blue (44%)

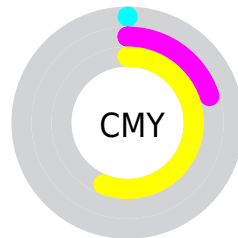


Cyan (0%)

Magenta (20%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1417, 0.4224, 0.4200 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 65.1417, 0.4224, 0.4200 by changing the saturation by 10% instead.




 65.1417, 0.4224,  
0.4200

 65.1417, 0.4224,  
0.4200


443.3010, 0.3724,  
0.3802


 47.5760, 0.4331,  
0.4280


 112.2536, 0.4055,  
0.4070

 33.4912, 0.4457,  
0.4371


 142.5685, 0.3988,  
0.4017

 22.5030, 0.4606,  
0.4473

 177.9019, 0.3930,  
0.3970

 14.2270, 0.4781,  
0.4582

218.6383, 0.3878,  
0.3929

 8.2787, 0.4993,  
0.4699

265.1620, 0.3833,  
0.3892

 4.2738, 0.5218,  
0.4782

317.8575, 0.3792,

 1.8279, 0.5328,

0.3859

0.4672

377.1090, 0.3756,  
0.3829

0.5045, 0.5743,  
0.4257

0.0000, 0.0000,  
0.0000

65.1417, 0.4224,  
0.4200

65.1417, 0.4224,  
0.4200

60.4083, 0.4445,  
0.4319

70.3037, 0.4001,  
0.4053

56.0756, 0.4652,  
0.4398

75.9017, 0.3784,  
0.3890

52.1257, 0.4834,  
0.4428

81.9542, 0.3580,  
0.3719

48.5336, 0.4983,  
0.4404

88.4757, 0.3392,  
0.3550

■ 47.2109, 0.5035,  
0.4385

■ 95.4797, 0.3222,  
0.3386

99.9960, 0.3127,  
0.3290

# Harmonies

## Analogous

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



65.1417, 0.4434, 0.3742



65.1417, 0.4224, 0.4200



65.1417, 0.3725, 0.4476

# Triad

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



65.1417, 0.4224, 0.4200



65.1417, 0.2108, 0.3179



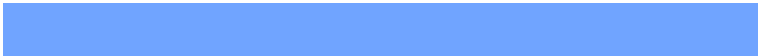
65.1417, 0.3049, 0.2450

# Complementary

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



65.1417, 0.4224, 0.4200



37.1930, 0.2172, 0.2126

# 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.



65.1417, 0.2466, 0.2285



65.1417, 0.4224, 0.4200



65.1417, 0.1971, 0.2631

# Square

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



65.1417, 0.4224, 0.4200



65.1417, 0.2505, 0.3862



65.1417, 0.2095, 0.2335



65.1417, 0.3720, 0.2789



# Rectangle

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



65.1417, 0.4224, 0.4200



65.1417, 0.3309, 0.4461



65.1417, 0.2095, 0.2335



65.1417, 0.2836, 0.2373

# Sweetspot

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



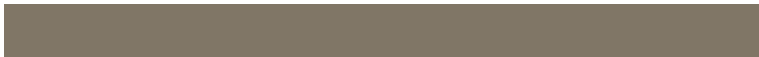
65.1448, 0.4224, 0.4200



87.8738, 0.3409, 0.3565



35.5355, 0.4179, 0.2762



18.5218, 0.3445, 0.3599



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.



65.1448, 0.4224, 0.4200



60.0053, 0.4465, 0.4328



90.4938, 0.3801, 0.4697



19.9155, 0.3278, 0.3441



24.9673, 0.5017, 0.4398

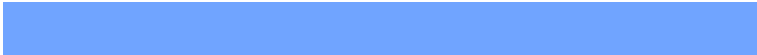


2.6389, 0.4898, 0.4493

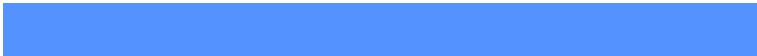


# Inverse Universe

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



37.1930, 0.2172, 0.2126



29.7417, 0.1997, 0.1854



23.6319, 0.2153, 0.1532



18.4583, 0.2979, 0.3134



8.0902, 0.1654, 0.1155



0.9867, 0.1717, 0.1379



# Previews

## White Background



This preview shows how the Yxy color 65.1417, 0.4224, 0.4200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

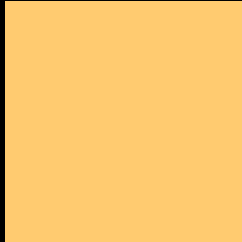
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.1417, 0.4224, 0.4200 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 65.1417, 0.4224, 0.4200**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1417, 0.4224, 0.4200.



This preview shows how white text looks on a background with the Yxy color 65.1417, 0.4224, 0.4200.

# 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

65.1417, 0.4224, 0.4200

### Protanopia

65.1500, 0.3979, 0.4321

### Deuteranopia

64.9817, 0.4142, 0.4074



## Tritanopia

65.2939, 0.3511, 0.3168

# Trichromacy



## Original Color

65.1417, 0.4224, 0.4200

## Protanomaly

65.0274, 0.4067, 0.4275

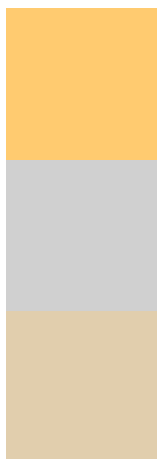
## Deuteranomaly

64.8571, 0.4176, 0.4120

## Tritanomaly

65.1240, 0.3786, 0.3563

# Monochromacy



## Original Color

65.1417, 0.4224, 0.4200

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.1673, 0.3520, 0.3665

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1417, 0.4224, 0.4200 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, 203, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 112)  
}
```

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, 203, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1417, 0.4224, 0.4200 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, 203, 112) }
```

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

```
.border{ border-color:rgb(255, 203, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1417, 0.4224, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 112) }
```

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

```
.background{ background-color: rgb(255,  
203, 112) }
```

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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