

# Converting Colors

$Yxy(69.5169, 0.4266, 0.4450)$

Have a look what the booklet for  
Yxy(69.5169, 0.4266, 0.4450)  
contains.

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# **Color**

**Yxy(69.4320, 0.4268, 0.4449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FED55C
RGB	254, 213, 92
RGB Percent	100%, 84%, 36%
CMY	0.0038, 0.1647, 0.6391
CMYK	0.00, 0.16, 0.64, 0.00
HSL	45°, 99%, 68%
HSV	45°, 64%, 100%
XYZ	66.6073, 69.4320, 20.0228
YIQ	211.4650, 63.2770, -28.9390

# Conversions

## Conversions Part 2

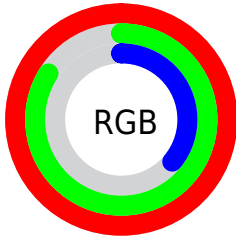
Format	Color
<a href="#">RYB</a>	<a href="#">147, 254, 92</a>
Decimal	<a href="#">16700764</a>
CIELab	<a href="#">86.72, 1.37, 63.37</a>
CIELCh	<a href="#">87, 63.381, 88.762</a>
Yxy	<a href="#">69.4320, 0.4268, 0.4449</a>
Android (android.graphics.Color)	<a href="#">4294890844 (0xFFFE55C)</a>
YUV	<a href="#">211.4650, -58.8962, 37.3032</a>
Hunter-Lab	<a href="#">83.3259, -3.1347, 44.0810</a>

# Details

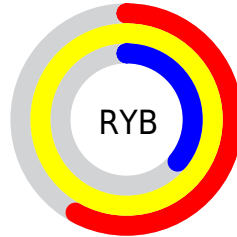
The Yxy color **69.4320, 0.4268, 0.4449** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **26.2264, 0.1992, 0.1701**, and the grayscale version is **65.8366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8866, 0.3761, 0.4338**, and **36.3870, 0.4475, 0.4659** is the 20% darker color. If you saturate the color by 10%, you get **65.8901, 0.4433, 0.4558**, and if you desaturate by 10%, it is **73.2579, 0.4086, 0.4303**.

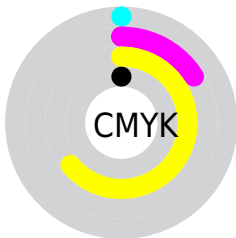
# Distribution



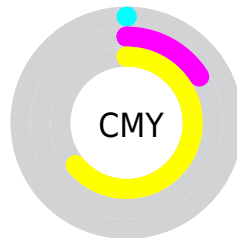
- Red (100%)
- Green (84%)
- Blue (36%)



- Red (58%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (16%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4320, 0.4268, 0.4449 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 69.4320, 0.4268, 0.4449 by changing the saturation by 10% instead.




 69.4320, 0.4268,  
0.4449


 69.4320, 0.4268,  
0.4449


458.5531, 0.3772,  
0.3949

 51.0636, 0.4365,  
0.4546


 118.3984, 0.4107,  
0.4288


 36.2592, 0.4475,  
0.4655


 149.7652, 0.4041,  
0.4221

 24.6345, 0.4597,  
0.4774


 186.2336, 0.3983,  
0.4162

 15.8049, 0.4725,  
0.4897

 228.1879, 0.3931,  
0.4110

 9.3862, 0.4918,  
0.5082

276.0127, 0.3885,  
0.4063

 4.9940, 0.4929,  
0.5071

330.0922, 0.3843,

 2.2437, 0.4945,

0.4021

390.8109, 0.3806,  
0.3983

0.5055

0.7437, 0.4989,  
0.5011

0.0000, 0.0000,  
0.0000

69.4320, 0.4268,  
0.4449

69.4320, 0.4268,  
0.4449

65.8901, 0.4433,  
0.4558

73.2579, 0.4086,  
0.4303

62.6051, 0.4573,  
0.4620

77.3726, 0.3895,  
0.4129

59.5600, 0.4682,  
0.4633

81.7929, 0.3705,  
0.3940

57.7667, 0.4737,  
0.4620

86.5308, 0.3520,  
0.3744

■ 91.5978, 0.3346,  
0.3548

■ 97.0044, 0.3184,  
0.3359

99.8157, 0.3121,  
0.3290

# Harmonies

## Analogous

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



69.4320, 0.4635, 0.3934



69.4320, 0.4268, 0.4449



69.4320, 0.3621, 0.4719

# Triad

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



69.4320, 0.4268, 0.4449



69.4320, 0.1875, 0.2950



69.4320, 0.3232, 0.2405

# Complementary

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



69.4320, 0.4268, 0.4449



26.2264, 0.1992, 0.1701

# 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.



69.4320, 0.2507, 0.2160



69.4320, 0.4268, 0.4449



69.4320, 0.1804, 0.2393

# Square

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



69.4320, 0.4268, 0.4449



69.4320, 0.2247, 0.3757



69.4320, 0.2018, 0.2143



69.4320, 0.4017, 0.2830



# Rectangle

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



69.4320, 0.4268, 0.4449



69.4320, 0.3125, 0.4627



69.4320, 0.2018, 0.2143



69.4320, 0.2971, 0.2300

# Sweetspot

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



69.4353, 0.4268, 0.4449



89.6818, 0.3436, 0.3650



30.4913, 0.4637, 0.2879



18.8861, 0.3486, 0.3706



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.



69.4353, 0.4268, 0.4449



65.3631, 0.4482, 0.4583



86.3070, 0.3750, 0.4921



20.2658, 0.3275, 0.3467



30.6967, 0.4727, 0.4629



3.1632, 0.4652, 0.4688



# Inverse Universe

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



26.2264, 0.1992, 0.1701



18.9450, 0.1788, 0.1343



19.5496, 0.2111, 0.1335



18.1253, 0.2979, 0.3107



5.9227, 0.1581, 0.0891



0.7423, 0.1639, 0.1100



# Previews

## White Background



This preview shows how the Yxy color 69.4320, 0.4268, 0.4449 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 69.4320, 0.4268, 0.4449 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 69.4320, 0.4268, 0.4449**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.4320, 0.4268, 0.4449.



This preview shows how white text looks on a background with the Yxy color 69.4320, 0.4268, 0.4449.

# 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

69.4320, 0.4268, 0.4449

### Protanopia

69.8104, 0.4135, 0.4535

### Deuteranopia

69.3975, 0.3958, 0.3958



## Tritanopia

69.4036, 0.3435, 0.3169

# Trichromacy



## Original Color

69.4320, 0.4268, 0.4449

## Protanomaly

69.4949, 0.4180, 0.4501

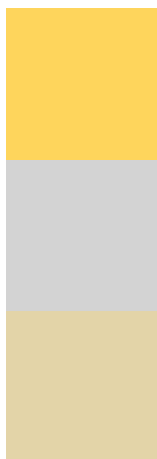
## Deuteranomaly

69.3549, 0.4085, 0.4148

## Tritanomaly

68.8259, 0.3775, 0.3665

# Monochromacy



## Original Color

69.4320, 0.4268, 0.4449

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

66.2450, 0.3558, 0.3784

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.4320, 0.4268, 0.4449 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(254, 213, 92)` looks like.

```
.text, #text, p{  
    color:rgb(254, 213, 92)  
}
```

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(254, 213, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 213, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4320, 0.4268, 0.4449 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(254, 213, 92) }
```

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

```
.border{ border-color:rgb(254, 213, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 213, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 213, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 213, 92);  
box-shadow:4px 4px 4px 4px rgb(254, 213,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4320, 0.4268, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 213, 92) }
```

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

```
.background{ background-color: rgb(254,  
213, 92) }
```

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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