

Converting Colors

$Yxy(71.9612, 0.4576, 0.4268)$

Have a look what the booklet for
Yxy(71.9612, 0.4576, 0.4268)
contains.

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Color

Yxy(65.6608, 0.4342, 0.4392)

Conversions

Conversions Part 1

Format	Color
Hex	FFCD5A
RGB	255, 205, 90
RGB Percent	100%, 80%, 35%
CMY	0.0001, 0.1960, 0.6470
CMYK	0.00, 0.20, 0.65, 0.00
HSL	42°, 100%, 68%
HSV	42°, 65%, 100%
XYZ	64.9133, 65.6608, 18.9268
YIQ	206.8400, 66.7150, -25.1650

Conversions

Conversions Part 2

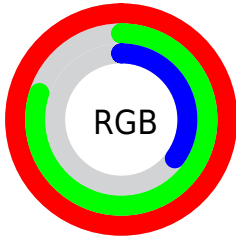
Format	Color
RYB	162, 255, 90
Decimal	16764250
CIELab	84.82, 5.74, 62.21
CIElCh	85, 62.479, 84.731
Yxy	65.6608, 0.4342, 0.4392
Android (android.graphics.Color)	4294954330 (0xFFFFCD5A)
YUV	206.8400, -57.6021, 42.2363
Hunter-Lab	81.0314, 1.1895, 42.8733

Details

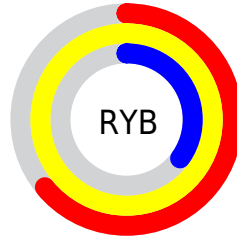
The Yxy color **65.6608, 0.4342, 0.4392** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **28.1447, 0.2001, 0.1780**, and the grayscale version is **62.6360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **33.8508, 0.4577, 0.4576** is the 20% darker color. If you saturate the color by 10%, you get **61.6967, 0.4525, 0.4488**, and if you desaturate by 10%, it is **69.9626, 0.4143, 0.4257**.

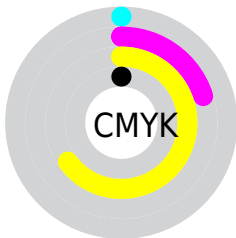
Distribution



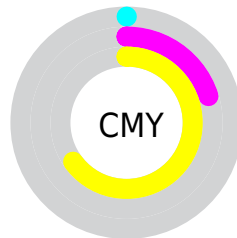
- Red (100%)
- Green (80%)
- Blue (35%)



- Red (64%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (20%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6608, 0.4342, 0.4392 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 65.6608, 0.4342, 0.4392 by changing the saturation by 10% instead.


 65.6608, 0.4342,
0.4392

 65.6608, 0.4342,
0.4392

445.1628, 0.3804,
0.3920


 47.9971, 0.4450,
0.4482


 112.9994, 0.4166,
0.4241


 33.8246, 0.4573,
0.4581


 143.4430, 0.4094,
0.4178

 22.7589, 0.4711,
0.4687

 178.9154, 0.4031,
0.4123

 14.4156, 0.4859,
0.4790

 219.8010, 0.3975,
0.4073

 8.4103, 0.5067,
0.4933

266.4841, 0.3925,
0.4028

 4.3586, 0.5114,
0.4886

319.3492, 0.3880,

 1.8761, 0.5190,

0.3989

0.4810

378.7806, 0.3840,
0.3953

■ 0.5339, 0.5481,
0.4519

■ 0.0000, 0.0000,
0.0000

■ 65.6608, 0.4342,
0.4392

■ 65.6608, 0.4342,
0.4392

■ 61.6967, 0.4525,
0.4488

■ 69.9626, 0.4143,
0.4257

■ 58.0422, 0.4684,
0.4537

■ 74.6087, 0.3939,
0.4095

■ 54.6781, 0.4811,
0.4535

■ 79.6170, 0.3737,
0.3917

■ 52.9973, 0.4867,
0.4517

■ 85.0010, 0.3544,
0.3732

■ 90.7731, 0.3364,
0.3548

■ 96.9452, 0.3199,
0.3371

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



65.6608, 0.4659, 0.3859



65.6608, 0.4342, 0.4392



65.6608, 0.3719, 0.4713

Triad

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



65.6608, 0.4342, 0.4392



65.6608, 0.1903, 0.3047



65.6608, 0.3125, 0.2357

Complementary

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



65.6608, 0.4342, 0.4392



28.1447, 0.2001, 0.1780

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.



65.6608, 0.2423, 0.2140



65.6608, 0.4342, 0.4392



65.6608, 0.1792, 0.2446

Square

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



65.6608, 0.4342, 0.4392



65.6608, 0.2315, 0.3872



65.6608, 0.1969, 0.2155



65.6608, 0.3922, 0.2762

Rectangle

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



65.6608, 0.4342, 0.4392



65.6608, 0.3225, 0.4673



65.6608, 0.1969, 0.2155



65.6608, 0.2869, 0.2261

Sweetspot

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



65.6640, 0.4342, 0.4392



88.2539, 0.3440, 0.3627



30.5319, 0.4556, 0.2794



18.5383, 0.3492, 0.3680



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.



65.6640, 0.4342, 0.4392



60.4647, 0.4581, 0.4510



88.2151, 0.3812, 0.4904



20.1073, 0.3277, 0.3455



27.9709, 0.4853, 0.4528



2.9159, 0.4760, 0.4603

Inverse Universe

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



28.1447, 0.2001, 0.1780



20.6353, 0.1806, 0.1435



18.5444, 0.2038, 0.1282



18.2748, 0.2979, 0.3119



6.7919, 0.1611, 0.1000



0.8437, 0.1672, 0.1220

Previews

White Background



This preview shows how the Yxy color 65.6608, 0.4342, 0.4392 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 65.6608, 0.4342, 0.4392 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 65.6608, 0.4342, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 65.6608, 0.4342, 0.4392.



This preview shows how white text looks on a background with the Yxy color 65.6608, 0.4342, 0.4392.

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

65.6608, 0.4342, 0.4392

Protanopia

65.6925, 0.4131, 0.4518

Deuteranopia

65.4019, 0.4150, 0.4102



Tritanopia

65.7466, 0.3509, 0.3178

Trichromacy



Original Color

65.6608, 0.4342, 0.4392

Protanomaly

65.4109, 0.4213, 0.4470

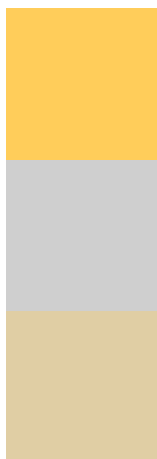
Deuteranomaly

65.5934, 0.4224, 0.4217

Tritanomaly

65.2852, 0.3847, 0.3656

Monochromacy



Original Color

65.6608, 0.4342, 0.4392

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.6702, 0.3579, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6608, 0.4342, 0.4392 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, 205, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 90)  
}
```

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, 205, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 90) }
```

Border

The CSS property to change the border of an element to Yxy 65.6608, 0.4342, 0.4392 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, 205, 90) }
```

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

```
.border{ border-color:rgb(255, 205, 90) }
```

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

Here you see how a box with a 4 pixel rgb(255, 205, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6608, 0.4342, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 90) }
```

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

```
.background{ background-color: rgb(255,  
205, 90) }
```

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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