

Converting Colors

$Y_{xy}(70.5291, 0.4254, 0.4445)$

Have a look what the booklet for
Yxy(70.5291, 0.4254, 0.4445)
contains.

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Color

Yxy(70.6690, 0.4252, 0.4447)

Conversions

Conversions Part 1

Format	Color
Hex	FFD75E
RGB	255, 215, 94
RGB Percent	100%, 84%, 37%
CMY	0.0000, 0.1569, 0.6313
CMYK	0.00, 0.16, 0.63, 0.00
HSL	45°, 100%, 68%
HSV	45°, 63%, 100%
XYZ	67.5702, 70.6690, 20.6747
YIQ	213.1660, 62.6810, -29.1510

Conversions

Conversions Part 2

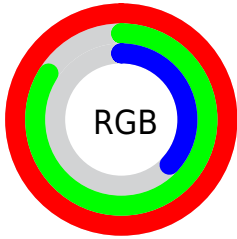
Format	Color
RYB	147, 255, 94
Decimal	16766814
CIELab	87.32, 0.89, 63.19
CIELCh	87, 63.197, 89.197
Yxy	70.6690, 0.4252, 0.4447
Android (android.graphics.Color)	4294956894 (0xFFFFD75E)
YUV	213.1660, -58.7488, 36.6884
Hunter-Lab	84.0649, -3.6376, 44.2638

Details

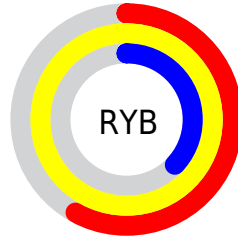
The Yxy color **70.6690, 0.4252, 0.4447** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **26.6609, 0.2000, 0.1709**, and the grayscale version is **67.0249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9499, 0.3750, 0.4320**, and **37.2318, 0.4451, 0.4655** is the 20% darker color. If you saturate the color by 10%, you get **67.1165, 0.4416, 0.4559**, and if you desaturate by 10%, it is **74.4929, 0.4070, 0.4298**.

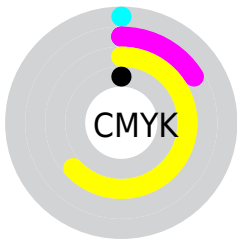
Distribution



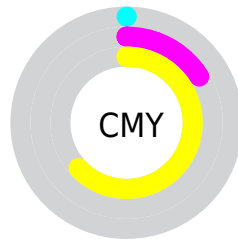
- Red (100%)
- Green (84%)
- Blue (37%)



- Red (58%)
- Yellow (100%)
- Blue (37%)



- Cyan (0%)
- Magenta (16%)
- Yellow (63%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6690, 0.4252, 0.4447 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 70.6690, 0.4252, 0.4447 by changing the saturation by 10% instead.

 70.6690, 0.4252,
0.4447

 70.6690, 0.4252,
0.4447


462.8955, 0.3764,
0.3948

 52.0721, 0.4348,
0.4544


 120.1623, 0.4094,
0.4286


 37.0626, 0.4456,
0.4654


 151.8275, 0.4029,
0.4219

 25.2559, 0.4576,
0.4774


 188.6176, 0.3972,
0.4161

 16.2678, 0.4702,
0.4899

 230.9170, 0.3921,
0.4108

 9.7139, 0.4881,
0.5077

279.1101, 0.3875,
0.4062

 5.2097, 0.4908,
0.5092

333.5813, 0.3834,

 2.3708, 0.4919,

0.4020

0.5081

394.7150, 0.3797,
0.3982

0.8108, 0.4942,
0.5058

0.0000, 0.0000,
0.0000

70.6690, 0.4252,
0.4447

70.6690, 0.4252,
0.4447

67.1165, 0.4416,
0.4559

74.4929, 0.4070,
0.4298

63.8257, 0.4556,
0.4625

78.6101, 0.3881,
0.4122

60.7739, 0.4666,
0.4642

83.0317, 0.3692,
0.3931

58.7951, 0.4725,
0.4630

87.7697, 0.3508,
0.3734

92.8355, 0.3335,
0.3537

98.2396, 0.3175,
0.3347

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.



70.6690, 0.4620, 0.3938



70.6690, 0.4252, 0.4447



70.6690, 0.3607, 0.4707

Triad

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



70.6690, 0.4252, 0.4447



70.6690, 0.1882, 0.2944



70.6690, 0.3243, 0.2416

Complementary

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



70.6690, 0.4252, 0.4447



26.6609, 0.2000, 0.1709

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.



70.6690, 0.2521, 0.2170



70.6690, 0.4252, 0.4447



70.6690, 0.1815, 0.2395

Square

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



70.6690, 0.4252, 0.4447



70.6690, 0.2247, 0.3741



70.6690, 0.2031, 0.2150



70.6690, 0.4020, 0.2841

Rectangle

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



70.6690, 0.4252, 0.4447



70.6690, 0.3116, 0.4609



70.6690, 0.2031, 0.2150



70.6690, 0.2984, 0.2312

Sweetspot

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



70.6666, 0.4252, 0.4447



89.8196, 0.3435, 0.3652



30.9993, 0.4650, 0.2908



18.9196, 0.3486, 0.3709



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.



70.6666, 0.4252, 0.4447



66.1451, 0.4459, 0.4583



86.7390, 0.3728, 0.4919



20.2811, 0.3275, 0.3468



30.9704, 0.4715, 0.4638



3.1879, 0.4642, 0.4696

Inverse Universe

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



26.6609, 0.2000, 0.1709



19.2337, 0.1799, 0.1357



20.3211, 0.2142, 0.1363



18.1110, 0.2979, 0.3106



5.8483, 0.1578, 0.0882



0.7333, 0.1636, 0.1089

Previews

White Background



This preview shows how the Yxy color 70.6690, 0.4252, 0.4447 looks on a white background.

Color Contrast Check

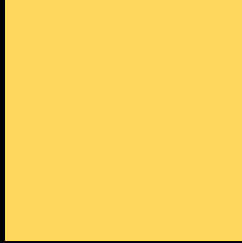
Large Text (above 18pt) WCAG AA × Fail

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 70.6690, 0.4252, 0.4447 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 70.6690, 0.4252, 0.4447

Background



This preview shows how black text looks on a background with the Yxy color 70.6690, 0.4252, 0.4447.



This preview shows how white text looks on a background with the Yxy color 70.6690, 0.4252, 0.4447.

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

70.6690, 0.4252, 0.4447

Protanopia

70.5439, 0.4127, 0.4523

Deuteranopia

70.6140, 0.3899, 0.3908



Tritanopia

70.4646, 0.3416, 0.3169

Trichromacy



Original Color

70.6690, 0.4252, 0.4447

Protanomaly

70.7432, 0.4165, 0.4498

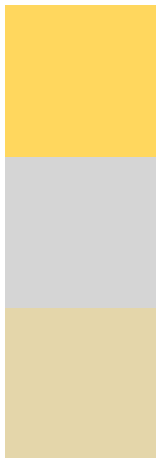
Deuteranomaly

70.4872, 0.4042, 0.4121

Tritanomaly

69.8781, 0.3753, 0.3664

Monochromacy



Original Color

70.6690, 0.4252, 0.4447

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.4894, 0.3546, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6690, 0.4252, 0.4447 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, 215, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 94)  
}
```

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, 215, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 94) }
```

Border

The CSS property to change the border of an element to Yxy 70.6690, 0.4252, 0.4447 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, 215, 94) }
```

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

```
.border{ border-color:rgb(255, 215, 94) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6690, 0.4252, 0.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 94) }
```

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

```
.background{ background-color: rgb(255,  
215, 94) }
```

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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