

Converting Colors

$Yxy(70.0762, 0.4310, 0.4424)$

Have a look what the booklet for
Yxy(70.0762, 0.4310, 0.4424)
contains.

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Color

Yxy(69.1197, 0.4283, 0.4437)

Conversions

Conversions Part 1

Format	Color
Hex	FFD45C
RGB	255, 212, 92
RGB Percent	100%, 83%, 36%
CMY	0.0000, 0.1686, 0.6394
CMYK	0.00, 0.17, 0.64, 0.00
HSL	44°, 100%, 68%
HSV	44°, 64%, 100%
XYZ	66.7207, 69.1197, 19.9399
YIQ	211.1770, 64.1480, -28.2040

Conversions

Conversions Part 2

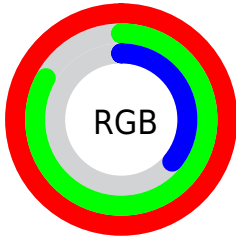
Format	Color
RYB	150, 255, 92
Decimal	16766044
CIELab	86.56, 2.29, 63.26
CIELCh	87, 63.299, 87.930
Yxy	69.1197, 0.4283, 0.4437
Android (android.graphics.Color)	4294956124 (0xFFFFD45C)
YUV	211.1770, -58.7543, 38.4328
Hunter-Lab	83.1383, -2.2409, 43.9767

Details

The Yxy color **69.1197, 0.4283, 0.4437** 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 **26.8101, 0.1994, 0.1718**, and the grayscale version is **65.6243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8866, 0.3761, 0.4338**, and **36.1772, 0.4495, 0.4642** is the 20% darker color. If you saturate the color by 10%, you get **65.4522, 0.4452, 0.4543**, and if you desaturate by 10%, it is **73.0744, 0.4097, 0.4293**.

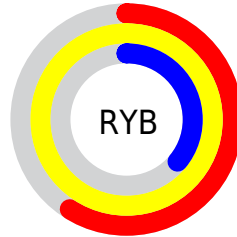
Distribution



Red (100%)

Green (83%)

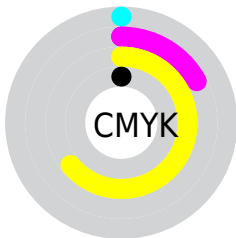
Blue (36%)



Red (59%)

Yellow (100%)

Blue (36%)

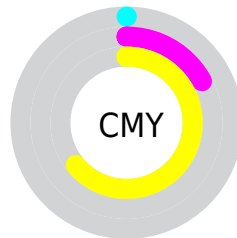


Cyan (0%)

Magenta (17%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1197, 0.4283, 0.4437 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 69.1197, 0.4283, 0.4437 by changing the saturation by 10% instead.

 69.1197, 0.4283,
0.4437

 69.1197, 0.4283,
0.4437


457.4530, 0.3779,
0.3943


 50.8092, 0.4382,
0.4532

 117.9525, 0.4119,
0.4278

 36.0568, 0.4495,
0.4639


 149.2436, 0.4052,
0.4213

 24.4781, 0.4619,
0.4755


 185.6304, 0.3993,
0.4154

 15.6886, 0.4751,
0.4874

 227.4973, 0.3940,
0.4103

 9.3041, 0.4948,
0.5052

275.2285, 0.3893,
0.4056

 4.9401, 0.4966,
0.5034

329.2087, 0.3851,

 2.2121, 0.4994,

0.4015

389.8220, 0.3813,
0.3977

0.5006

0.7266, 0.5067,
0.4933

0.0000, 0.0000,
0.0000

69.1197, 0.4283,
0.4437

69.1197, 0.4283,
0.4437

65.4522, 0.4452,
0.4543

73.0744, 0.4097,
0.4293

62.0588, 0.4596,
0.4603

77.3358, 0.3904,
0.4122

58.9170, 0.4708,
0.4613

81.9162, 0.3711,
0.3935

57.1176, 0.4764,
0.4599

86.8281, 0.3525,
0.3741

■ 92.0831, 0.3349,
0.3548

■ 97.6920, 0.3187,
0.3361

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.



69.1197, 0.4640, 0.3918



69.1197, 0.4283, 0.4437



69.1197, 0.3641, 0.4717

Triad

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



69.1197, 0.4283, 0.4437



69.1197, 0.1881, 0.2970



69.1197, 0.3210, 0.2395

Complementary

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



69.1197, 0.4283, 0.4437



26.8101, 0.1994, 0.1718

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.



69.1197, 0.2490, 0.2156



69.1197, 0.4283, 0.4437



69.1197, 0.1802, 0.2404

Square

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



69.1197, 0.4283, 0.4437



69.1197, 0.2261, 0.3780



69.1197, 0.2008, 0.2145



69.1197, 0.3998, 0.2816

Rectangle

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



69.1197, 0.4283, 0.4437



69.1197, 0.3146, 0.4637



69.1197, 0.2008, 0.2145



69.1197, 0.2950, 0.2292

Sweetspot

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



69.1183, 0.4283, 0.4437



89.3792, 0.3437, 0.3645



30.6688, 0.4643, 0.2879



18.8123, 0.3487, 0.3701



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.



69.1183, 0.4283, 0.4437



64.3850, 0.4499, 0.4567



87.0371, 0.3751, 0.4924



20.2323, 0.3276, 0.3464



30.1022, 0.4753, 0.4608



3.1096, 0.4674, 0.4671

Inverse Universe

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



26.8101, 0.1994, 0.1718



19.3854, 0.1795, 0.1367



19.6132, 0.2108, 0.1330



18.1567, 0.2979, 0.3110



6.0917, 0.1587, 0.0913



0.7625, 0.1646, 0.1125

Previews

White Background



This preview shows how the Yxy color 69.1197, 0.4283, 0.4437 looks on a white background.

Color Contrast Check

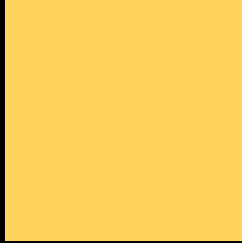
Large Text (above 18pt) WCAG AA × Fail

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 69.1197, 0.4283, 0.4437 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 69.1197, 0.4283, 0.4437

Background



This preview shows how black text looks on a background with the Yxy color 69.1197, 0.4283, 0.4437.



This preview shows how white text looks on a background with the Yxy color 69.1197, 0.4283, 0.4437.

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

69.1197, 0.4283, 0.4437

Protanopia

69.1168, 0.4134, 0.4531

Deuteranopia

68.8745, 0.3970, 0.3959



Tritanopia

68.8782, 0.3444, 0.3169

Trichromacy



Original Color

69.1197, 0.4283, 0.4437

Protanomaly

68.9840, 0.4186, 0.4493

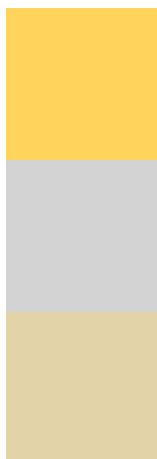
Deuteranomaly

68.8339, 0.4097, 0.4148

Tritanomaly

68.3049, 0.3786, 0.3665

Monochromacy



Original Color

69.1197, 0.4283, 0.4437

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.7466, 0.3560, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1197, 0.4283, 0.4437 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, 212, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 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(255, 212, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 92) }
```

Border

The CSS property to change the border of an element to Yxy 69.1197, 0.4283, 0.4437 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, 212, 92) }
```

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

```
.border{ border-color:rgb(255, 212, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1197, 0.4283, 0.4437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 92) }
```

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

```
.background{ background-color: rgb(255,  
212, 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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