

Converting Colors

$Y_{xy}(79.0085, 0.4646, 0.4333)$

Have a look what the booklet for
Yxy(79.0085, 0.4646, 0.4333)
contains.

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Color

Yxy(69.9472, 0.4322, 0.4528)

Conversions

Conversions Part 1

Format	Color
Hex	FFD651
RGB	255, 214, 81
RGB Percent	100%, 84%, 32%
CMY	0.0001, 0.1607, 0.6824
CMYK	0.00, 0.16, 0.68, 0.00
HSL	46°, 100%, 66%
HSV	46°, 68%, 100%
XYZ	66.7650, 69.9472, 17.7649
YIQ	211.0970, 67.1290, -32.6710

Conversions

Conversions Part 2

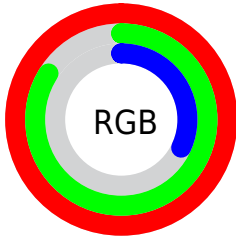
Format	Color
RYB	135, 255, 81
Decimal	16766545
CIELab	86.97, 0.63, 68.25
CIELCh	87, 68.253, 89.473
Yxy	69.9472, 0.4322, 0.4528
Android (android.graphics.Color)	4294956625 (0xFFFFD651)
YUV	211.0970, -64.1378, 38.5029
Hunter-Lab	83.6344, -3.8646, 45.9503

Details

The Yxy color **69.9472, 0.4322, 0.4528** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **22.8752, 0.1908, 0.1538**, and the grayscale version is **65.6080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **36.6484, 0.4517, 0.4742** is the 20% darker color. If you saturate the color by 10%, you get **66.6542, 0.4470, 0.4619**, and if you desaturate by 10%, it is **73.5025, 0.4153, 0.4395**.

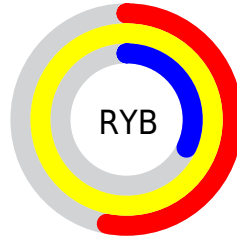
Distribution



Red (100%)

Green (84%)

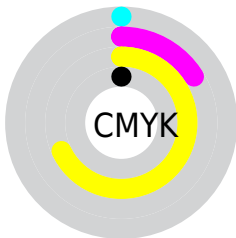
Blue (32%)



Red (53%)

Yellow (100%)

Blue (32%)

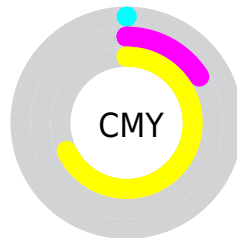


Cyan (0%)

Magenta (16%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9472, 0.4322, 0.4528 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 69.9472, 0.4322, 0.4528 by changing the saturation by 10% instead.


 69.9472, 0.4322,
0.4528

 69.9472, 0.4322,
0.4528


460.3646, 0.3811,
0.4001

 51.4835, 0.4419,
0.4627


 119.1335, 0.4159,
0.4360


 36.5935, 0.4526,
0.4737


 150.6248, 0.4091,
0.4290

 24.8929, 0.4641,
0.4853


 187.2275, 0.4031,
0.4228

 15.9973, 0.4755,
0.4968

 229.3259, 0.3977,
0.4173

 9.5223, 0.4894,
0.5106

 277.3044, 0.3929,
0.4123

 5.0834, 0.4898,
0.5102

331.5474, 0.3886,

 2.2963, 0.4906,

0.4078

0.5094

392.4393, 0.3847,
0.4038

■ 0.7717, 0.4925,
0.5075

■ 0.0000, 0.0000,
0.0000

■ 69.9472, 0.4322,
0.4528

■ 69.9472, 0.4322,
0.4528

■ 66.6542, 0.4470,
0.4619

■ 73.5025, 0.4153,
0.4395

■ 63.5951, 0.4589,
0.4663

■ 77.3254, 0.3970,
0.4229

■ 60.7486, 0.4678,
0.4659

■ 81.4332, 0.3783,
0.4042

■ 60.2623, 0.4693,
0.4656

■ 85.8384, 0.3598,
0.3844

■ 90.5525, 0.3421,
0.3643

■ 95.5861, 0.3255,
0.3446

99.9954, 0.3127,
0.3290

Harmonies

Analogous

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



69.9472, 0.4732, 0.3973



69.9472, 0.4322, 0.4528



69.9472, 0.3624, 0.4828

Triad

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



69.9472, 0.4322, 0.4528



69.9472, 0.1791, 0.2900



69.9472, 0.3256, 0.2359

Complementary

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



69.9472, 0.4322, 0.4528



22.8752, 0.1908, 0.1538

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.



69.9472, 0.2479, 0.2096



69.9472, 0.4322, 0.4528



69.9472, 0.1727, 0.2319

Square

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



69.9472, 0.4322, 0.4528



69.9472, 0.2171, 0.3769



69.9472, 0.1957, 0.2068



69.9472, 0.4100, 0.2809

Rectangle

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



69.9472, 0.4322, 0.4528



69.9472, 0.3096, 0.4730



69.9472, 0.1957, 0.2068



69.9472, 0.2976, 0.2247

Sweetspot

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



69.9506, 0.4322, 0.4528



89.7168, 0.3452, 0.3678



28.6070, 0.4848, 0.2899



18.9160, 0.3501, 0.3735



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.



69.9506, 0.4322, 0.4528



65.4897, 0.4518, 0.4642



86.0183, 0.3751, 0.5023



20.3231, 0.3275, 0.3471



31.7360, 0.4683, 0.4664



3.2567, 0.4615, 0.4718

Inverse Universe

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



22.8752, 0.1908, 0.1538



16.0059, 0.1715, 0.1179



17.4240, 0.2051, 0.1217



18.0717, 0.2979, 0.3103



5.6513, 0.1571, 0.0856



0.7092, 0.1628, 0.1060

Previews

White Background



This preview shows how the Yxy color 69.9472, 0.4322, 0.4528 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 69.9472, 0.4322, 0.4528 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 69.9472, 0.4322, 0.4528

Background



This preview shows how black text looks on a background with the Yxy color 69.9472, 0.4322, 0.4528.



This preview shows how white text looks on a background with the Yxy color 69.9472, 0.4322, 0.4528.

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

69.9472, 0.4322, 0.4528

Protanopia

69.8067, 0.4196, 0.4609

Deuteranopia

69.9239, 0.3947, 0.3958



Tritanopia

69.8805, 0.3433, 0.3179

Trichromacy



Original Color

69.9472, 0.4322, 0.4528

Protanomaly

70.0091, 0.4234, 0.4582

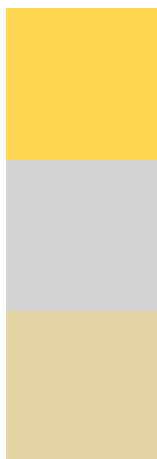
Deuteranomaly

69.7521, 0.4106, 0.4194

Tritanomaly

69.1618, 0.3803, 0.3716

Monochromacy



Original Color

69.9472, 0.4322, 0.4528

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.0982, 0.3587, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9472, 0.4322, 0.4528 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, 214, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 81)  
}
```

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, 214, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 81) }
```

Border

The CSS property to change the border of an element to Yxy 69.9472, 0.4322, 0.4528 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, 214, 81) }
```

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

```
.border{ border-color:rgb(255, 214, 81) }
```

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

Here you see how a box with a 4 pixel rgb(255, 214, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9472, 0.4322, 0.4528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 81) }
```

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

```
.background{ background-color: rgb(255,  
214, 81) }
```

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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