

# Converting Colors

$Yxy(75.2689, 0.3684, 0.4528)$

Have a look what the booklet for  
Yxy(75.2689, 0.3684, 0.4528)  
contains.

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# Color

**Yxy(75.2689, 0.3684, 0.4528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7EB7A
RGB	215, 235, 122
RGB Percent	84%, 92%, 48%
CMY	0.1570, 0.0784, 0.5214
CMYK	0.09, 0.00, 0.48, 0.08
HSL	71°, 74%, 70%
HSV	71°, 48%, 92%
XYZ	61.2391, 75.2689, 29.7219
YIQ	216.1380, 24.3530, -39.3830

# Conversions

## Conversions Part 2

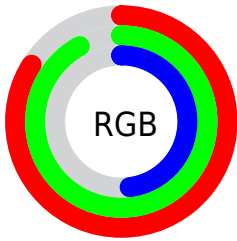
Format	Color
<a href="#">RYB</a>	<a href="#">122, 235, 142</a>
Decimal	<a href="#">14150522</a>
CIELab	<a href="#">89.52, -22.97, 52.19</a>
CIElCh	<a href="#">90, 57.022, 113.757</a>
Yxy	<a href="#">75.2689, 0.3684, 0.4528</a>
Android (android.graphics.Color)	<a href="#">4292340602 (0xFFD7EB7A)</a>
YUV	<a href="#">216.1380, -46.4100, -0.9980</a>
Hunter-Lab	<a href="#">86.7577, -25.8292, 40.4185</a>

# Details

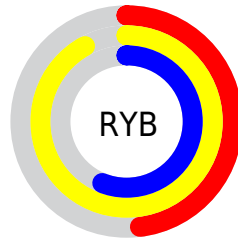
The Yxy color **75.2689, 0.3684, 0.4528** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **25.6834, 0.2356, 0.1826**, and the grayscale version is **69.0783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **39.9390, 0.3774, 0.4816** is the 20% darker color. If you saturate the color by 10%, you get **74.1350, 0.3771, 0.4759**, and if you desaturate by 10%, it is **76.5665, 0.3580, 0.4275**.

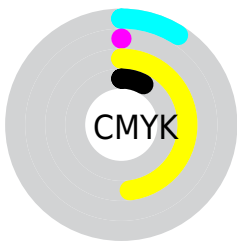
# Distribution



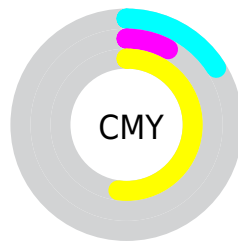
- Red (84%)
- Green (92%)
- Blue (48%)



- Red (48%)
- Yellow (92%)
- Blue (56%)



- Cyan (9%)
- Magenta (0%)
- Yellow (48%)
- Black (8%)




- Cyan (16%)
- Magenta (8%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2689, 0.3684, 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 75.2689, 0.3684, 0.4528 by changing the saturation by 10% instead.




 75.2689, 0.3684,  
0.4528


 75.2689, 0.3684,  
0.4528

478.8413, 0.3455,  
0.3949


 55.8332, 0.3726,  
0.4657


 126.6929, 0.3612,  
0.4329

 40.0692, 0.3772,  
0.4814


 159.4501, 0.3582,  
0.4250

 27.5925, 0.3821,  
0.5007


 197.4165, 0.3555,  
0.4183

 18.0187, 0.3865,  
0.5245

240.9765, 0.3530,  
0.4124

 10.9634, 0.3891,  
0.5541

290.5146, 0.3509,  
0.4072

 6.0422, 0.3955,  
0.6045

346.4152, 0.3489,

 2.8708, 0.3685,

0.4027

0.6315

409.0626, 0.3471,  
0.3986

■ 1.0646, 0.2928,  
0.7072

■ 0.0000, 0.0000,  
0.0000

■ 75.2689, 0.3684,  
0.4528

■ 75.2689, 0.3684,  
0.4528

■ 74.1350, 0.3771,  
0.4759

■ 76.5665, 0.3580,  
0.4275

■ 73.1443, 0.3837,  
0.4957


■ 78.0271, 0.3466,  
0.4012

■ 72.2882, 0.3877,  
0.5114


■ 79.6626, 0.3345,  
0.3747


■ 71.5528, 0.3891,  
0.5225


■ 81.4812, 0.3224,  
0.3489

 70.9188, 0.3881,  
0.5292

 83.4901, 0.3105,  
0.3244

 70.8028, 0.3878,  
0.5303

 85.1678, 0.3038,  
0.3091

 85.9061, 0.3065,  
0.3093

 86.6613, 0.3092,  
0.3095

 87.4335, 0.3120,  
0.3096

# Harmonies

## Analogous

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



75.2689, 0.4221, 0.4264



75.2689, 0.3684, 0.4528



75.2689, 0.3029, 0.4388

# Triad

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



75.2689, 0.3684, 0.4528



75.2689, 0.1937, 0.2567



75.2689, 0.3802, 0.2812

# Complementary

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



75.2689, 0.3684, 0.4528



25.6834, 0.2356, 0.1826

# 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.



75.2689, 0.3108, 0.2450



75.2689, 0.3684, 0.4528



75.2689, 0.2088, 0.2289

# Square

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



75.2689, 0.3684, 0.4528



75.2689, 0.2051, 0.3110



75.2689, 0.2492, 0.2261



75.2689, 0.4327, 0.3286



# Rectangle

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



75.2689, 0.3684, 0.4528



75.2689, 0.2615, 0.4042



75.2689, 0.2492, 0.2261



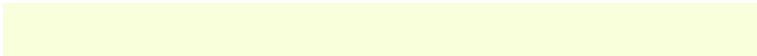
75.2689, 0.3576, 0.2675

# Sweetspot

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



75.2723, 0.3684, 0.4528



96.7285, 0.3296, 0.3643



38.0793, 0.4352, 0.3505



20.6045, 0.3323, 0.3699



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.



75.2723, 0.3684, 0.4528



89.2012, 0.3773, 0.4763



68.2725, 0.3287, 0.4708



17.4839, 0.3241, 0.3525



39.4502, 0.3883, 0.5299



3.1332, 0.3929, 0.5263



# Inverse Universe

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



25.6834, 0.2356, 0.1826



22.7710, 0.2159, 0.1488



31.8435, 0.2830, 0.1999



14.6774, 0.3007, 0.3048



3.6474, 0.1581, 0.0645



0.3235, 0.1700, 0.0710



# Previews

## White Background



This preview shows how the Yxy color 75.2689, 0.3684, 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 75.2689, 0.3684, 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 75.2689, 0.3684, 0.4528**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2689, 0.3684, 0.4528.

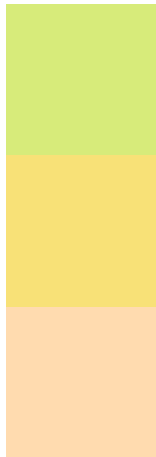


This preview shows how white text looks on a background with the Yxy color 75.2689, 0.3684, 0.4528.

# 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

75.2689, 0.3684, 0.4528

### Protanopia

75.1388, 0.4000, 0.4358

### Deuteranopia

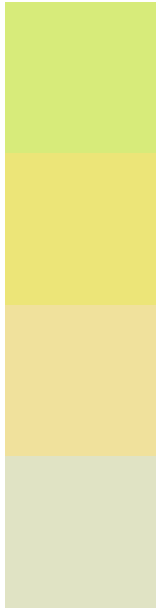
75.0182, 0.3707, 0.3743



## Tritanopia

75.1326, 0.3066, 0.3112

# Trichromacy



**Original Color**

75.2689, 0.3684, 0.4528

**Protanomaly**

75.2276, 0.3882, 0.4424

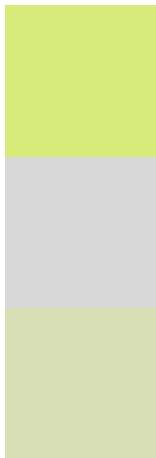
**Deuteranomaly**

74.7760, 0.3704, 0.4023

**Tritanomaly**

74.7710, 0.3309, 0.3630

# Monochromacy



**Original Color**

75.2689, 0.3684, 0.4528

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

70.7517, 0.3350, 0.3754

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2689, 0.3684, 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(215, 235, 122)` looks like.

```
.text, #text, p{  
    color:rgb(215, 235, 122)  
}
```

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(215, 235, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 235, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2689, 0.3684, 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(215, 235, 122) }
```

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

```
.border{ border-color:rgb(215, 235, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 235, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 235, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 235, 122);  
box-shadow:4px 4px 4px 4px rgb(215, 235,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2689, 0.3684, 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(215, 235, 122) }
```

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

```
.background{ background-color: rgb(215,  
235, 122) }
```

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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