

# Converting Colors

$Y_{xy}(73.2933, 0.3858, 0.4749)$

Have a look what the booklet for  
Yxy(73.2933, 0.3858, 0.4749)  
contains.

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**Color**

**Yxy(73.2731, 0.3854, 0.4747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9E85E
RGB	217, 232, 94
RGB Percent	85%, 91%, 37%
CMY	0.1491, 0.0902, 0.6314
CMYK	0.06, 0.00, 0.59, 0.09
HSL	67°, 75%, 64%
HSV	67°, 59%, 91%
XYZ	59.4891, 73.2731, 21.5945
YIQ	211.7830, 35.3580, -46.0980

# Conversions

## Conversions Part 2

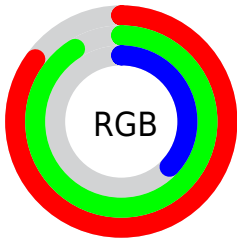
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 232, 109
Decimal	14280798
CIE <sub>Lab</sub>	88.58, -23.07, 63.67
CIE <sub>LCh</sub>	89, 67.723, 109.916
Y <sub>xy</sub>	73.2731, 0.3854, 0.4747
Android (android.graphics.Color)	4292470878 (0xFFD9E85E)
YUV	211.7830, -58.0670, 4.5753
Hunter-Lab	85.5997, -25.7477, 44.9625

# Details

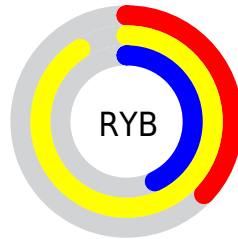
The Yxy color **73.2731, 0.3854, 0.4747** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **17.0828, 0.2068, 0.1420**, and the grayscale version is **66.0621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9499, 0.3750, 0.4320**, and **38.5490, 0.3955, 0.5058** is the 20% darker color. If you saturate the color by 10%, you get **72.5367, 0.3929, 0.4925**, and if you desaturate by 10%, it is **74.1473, 0.3757, 0.4533**.

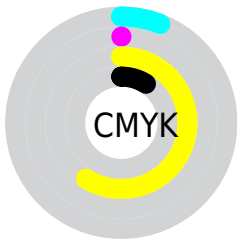
# Distribution



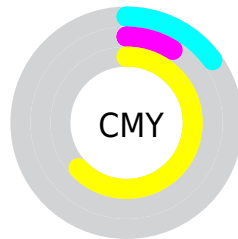
- Red (85%)
- Green (91%)
- Blue (37%)



- Red (37%)
- Yellow (91%)
- Blue (43%)



- Cyan (6%)
- Magenta (0%)
- Yellow (59%)
- Black (9%)




- Cyan (15%)
- Magenta (9%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2731, 0.3854, 0.4747 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 73.2731, 0.3854, 0.4747 by changing the saturation by 10% instead.





 73.2731, 0.3854,  
0.4747


 73.2731, 0.3854,  
0.4747

471.9608, 0.3563,  
0.4076


 54.1993, 0.3903,  
0.4891


 123.8648, 0.3766,  
0.4520

 38.7610, 0.3954,  
0.5061


 156.1516, 0.3728,  
0.4430

 26.5739, 0.4000,  
0.5262


 193.6114, 0.3693,  
0.4351

 17.2534, 0.4032,  
0.5499

 236.6287, 0.3662,  
0.4282

 10.4154, 0.4063,  
0.5826

285.5879, 0.3634,  
0.4222

 5.6752, 0.3930,  
0.6070


340.8734, 0.3608,

 2.6486, 0.3646,


0.4168


0.6354

402.8696, 0.3585,  
0.4120

 0.9512, 0.2630,  
0.7370


 0.0000, 0.0000,  
0.0000


 73.2731, 0.3854,  
0.4747


 73.2731, 0.3854,  
0.4747


 72.5367, 0.3929,  
0.4925

 74.1473, 0.3757,  
0.4533


 71.9163, 0.3978,  
0.5061


 75.1594, 0.3643,  
0.4294


 71.4016, 0.4000,  
0.5152

 76.3218, 0.3517,  
0.4040

 70.9703, 0.4001,  
0.5203


 77.6431, 0.3385,  
0.3780

 70.9490, 0.4000,  
0.5206

 79.1309, 0.3251,  
0.3524

 80.7923, 0.3121,  
0.3278

 82.5438, 0.3004,  
0.3059

 82.9759, 0.3020,  
0.3060

 83.4142, 0.3037,  
0.3061

# Harmonies

## Analogous

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



73.2731, 0.4467, 0.4348



73.2731, 0.3854, 0.4747



73.2731, 0.3089, 0.4687

# Triad

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



73.2731, 0.3854, 0.4747



73.2731, 0.1741, 0.2485



73.2731, 0.3828, 0.2663

# Complementary

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



73.2731, 0.3854, 0.4747



17.0828, 0.2068, 0.1420

# 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.



73.2731, 0.2992, 0.2271



73.2731, 0.3854, 0.4747



73.2731, 0.1876, 0.2139

# Square

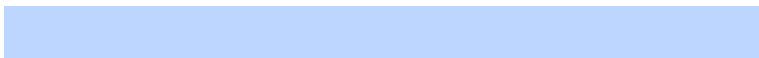
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2731, 0.3854, 0.4747



73.2731, 0.1902, 0.3160



73.2731, 0.2299, 0.2083



73.2731, 0.4507, 0.3190



# Rectangle

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



73.2731, 0.3854, 0.4747



73.2731, 0.2594, 0.4307



73.2731, 0.2299, 0.2083



73.2731, 0.3549, 0.2513

# Sweetspot

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



73.2764, 0.3854, 0.4747



96.4531, 0.3366, 0.3744



28.6471, 0.4881, 0.3440



20.5362, 0.3405, 0.3820



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.



73.2764, 0.3854, 0.4747



89.7259, 0.3940, 0.4954



64.9350, 0.3355, 0.5030



16.7334, 0.3251, 0.3523



39.4183, 0.4004, 0.5203



2.9358, 0.4033, 0.5180



# Inverse Universe

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



17.0828, 0.2068, 0.1420



14.4725, 0.1849, 0.1067



23.1546, 0.2643, 0.1669



13.9619, 0.2997, 0.3048



3.3773, 0.1539, 0.0622



0.2748, 0.1630, 0.0672



# Previews

## White Background



This preview shows how the Yxy color 73.2731, 0.3854, 0.4747 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 73.2731, 0.3854, 0.4747 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 73.2731, 0.3854, 0.4747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2731, 0.3854, 0.4747.



This preview shows how white text looks on a background with the Yxy color 73.2731, 0.3854, 0.4747.

# 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

73.2731, 0.3854, 0.4747

### Protanopia

72.7720, 0.4159, 0.4560

### Deuteranopia

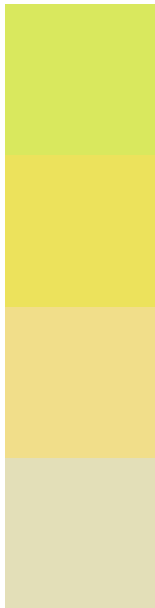
73.0161, 0.3804, 0.3836



## Tritanopia

73.2968, 0.3114, 0.3112

# Trichromacy



## Original Color

73.2731, 0.3854, 0.4747

## Protanomaly

72.9983, 0.4044, 0.4633

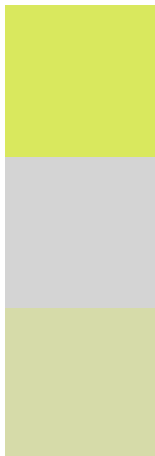
## Deuteranomaly

72.7783, 0.3843, 0.4175

## Tritanomaly

72.5669, 0.3419, 0.3719

# Monochromacy



## Original Color

73.2731, 0.3854, 0.4747

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

67.8238, 0.3432, 0.3865

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2731, 0.3854, 0.4747 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(217, 232, 94)` looks like.

```
.text, #text, p{  
    color:rgb(217, 232, 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(217, 232, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 232, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2731, 0.3854, 0.4747 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(217, 232, 94) }
```

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

```
.border{ border-color:rgb(217, 232, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 232, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 232, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 232, 94);  
box-shadow:4px 4px 4px 4px rgb(217, 232,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2731, 0.3854, 0.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 232, 94) }
```

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

```
.background{ background-color: rgb(217,  
232, 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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