

# Converting Colors

$Y_{xy}(74.7322, 0.4099, 0.5127)$

Have a look what the booklet for  
Yxy(74.7322, 0.4099, 0.5127)  
contains.

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# Color

**Yxy(74.9463, 0.4096, 0.5130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEB00
RGB	222, 235, 0
RGB Percent	87%, 92%, 0%
CMY	0.1293, 0.0784, 1.0000
CMYK	0.06, 0.00, 1.00, 0.08
HSL	63°, 100%, 46%
HSV	63°, 100%, 92%
XYZ	59.8402, 74.9463, 11.3077
YIQ	204.3230, 67.6870, -75.8410

# Conversions

## Conversions Part 2

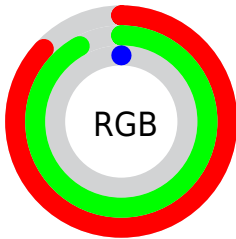
Format	Color
<a href="#">RYB</a>	0, 235, 13
Decimal	14609152
CIELab	89.37, -25.63, 87.66
CIELCh	89, 91.331, 106.301
Yxy	74.9463, 0.4096, 0.5130
Android (android.graphics.Color)	4292799232 (0xFFDEEB00)
YUV	204.3230, -100.7312, 15.5027
Hunter-Lab	86.5715, -28.1170, 52.8558

# Details

The Yxy color **74.9463, 0.4096, 0.5130** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **6.0832, 0.1513, 0.0607**, and the grayscale version is **61.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **39.9216, 0.4028, 0.5184** is the 20% darker color. If you saturate the color by 10%, you get **74.9500, 0.4096, 0.5130**, and if you desaturate by 10%, it is **75.2194, 0.4087, 0.5090**.

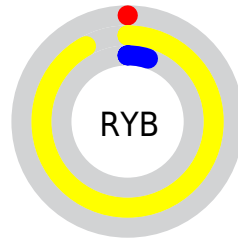
# Distribution



Red (87%)

Green (92%)

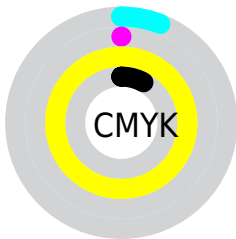
Blue (0%)



Red (0%)

Yellow (92%)

Blue (5%)

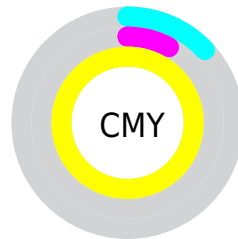


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (13%)

Magenta (8%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9463, 0.4096, 0.5130 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 74.9463, 0.4096, 0.5130 by changing the saturation by 10% instead.




 74.9463, 0.4096,  
0.5130

 74.9463, 0.4096,  
0.5130


477.7330, 0.3755,  
0.4334

 55.5689, 0.4136,  
0.5279


 126.2363, 0.4007,  
0.4877

 39.8574, 0.4165,  
0.5443

 158.9178, 0.3963,  
0.4772


 27.4274, 0.4172,  
0.5617


 196.8027, 0.3922,  
0.4678

 17.8944, 0.4165,  
0.5835

 240.2754, 0.3884,  
0.4594

 10.8742, 0.4033,  
0.5967

 289.7204, 0.3848,  
0.4518

 5.9823, 0.3841,  
0.6159


 345.5221, 0.3814,


 2.8343, 0.3536,


0.4451


0.6464


408.0648, 0.3783,  
0.4390


 1.0459, 0.2560,  
0.7440


 0.0000, 0.0000,  
0.0000


 74.9463, 0.4096,  
0.5130

 74.9463, 0.4096,  
0.5130

 74.9500, 0.4096,  
0.5130

 75.2194, 0.4087,  
0.5090

 75.5679, 0.4056,  
0.5012

 76.0198, 0.3999,  
0.4890

 76.5897, 0.3916,  
0.4725

■ 77.2895, 0.3810,  
0.4523

■ 78.1298, 0.3687,  
0.4294

■ 79.1201, 0.3551,  
0.4046

■ 80.2691, 0.3410,  
0.3791

■ 81.5847, 0.3267,  
0.3537

# Harmonies

## Analogous

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



74.9463, 0.4882, 0.4467



74.9463, 0.4096, 0.5130



74.9463, 0.3129, 0.5274

# Triad

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



74.9463, 0.4096, 0.5130



74.9463, 0.1390, 0.2290



74.9463, 0.3913, 0.2410

# Complementary

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



74.9463, 0.4096, 0.5130



6.0832, 0.1513, 0.0607

# 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.



74.9463, 0.2805, 0.1964



74.9463, 0.4096, 0.5130



74.9463, 0.1517, 0.1848

# Square

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



74.9463, 0.4096, 0.5130



74.9463, 0.1602, 0.3208



74.9463, 0.1977, 0.1764



74.9463, 0.4885, 0.3027



# Rectangle

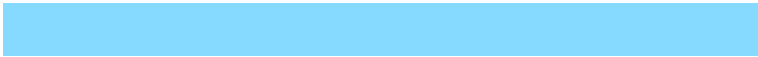
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9463, 0.4096, 0.5130



74.9463, 0.2494, 0.4832



74.9463, 0.1977, 0.1764



74.9463, 0.3531, 0.2237

# Sweetspot

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



74.9500, 0.4096, 0.5130



95.2230, 0.3553, 0.4050



17.9185, 0.6374, 0.3321



20.2689, 0.3612, 0.4156



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.



74.9500, 0.4096, 0.5130



90.2094, 0.4095, 0.5130



62.4636, 0.3290, 0.5770



17.5822, 0.3259, 0.3523



41.7332, 0.4097, 0.5129



3.2900, 0.4112, 0.5117



# Inverse Universe

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



6.0832, 0.1513, 0.0607



7.3139, 0.1512, 0.0606



10.6846, 0.2110, 0.0936



14.5886, 0.2988, 0.3047



3.4027, 0.1517, 0.0610

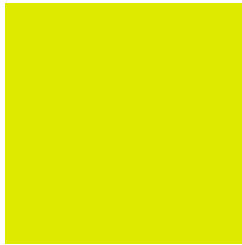


0.2812, 0.1564, 0.0635



# Previews

## White Background



This preview shows how the Yxy color 74.9463, 0.4096, 0.5130 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 74.9463, 0.4096, 0.5130 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 74.9463, 0.4096, 0.5130**

## Background



This preview shows how black text looks on a background with the Yxy color 74.9463, 0.4096, 0.5130.



This preview shows how white text looks on a background with the Yxy color 74.9463, 0.4096, 0.5130.

# 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

74.9463, 0.4096, 0.5130

### Protanopia

74.7331, 0.4406, 0.4883

### Deuteranopia

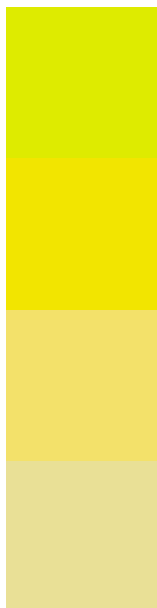
74.7131, 0.3765, 0.3824



## Tritanopia

74.5497, 0.3157, 0.3105

# Trichromacy



## Original Color

74.9463, 0.4096, 0.5130

## Protanomaly

74.9159, 0.4292, 0.4974

## Deuteranomaly

73.9457, 0.4034, 0.4486

## Tritanomaly

72.8370, 0.3694, 0.4091

# Monochromacy



## Original Color

74.9463, 0.4096, 0.5130

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

64.0615, 0.3684, 0.4276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9463, 0.4096, 0.5130 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(222, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 235, 0)  
}
```

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(222, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 235, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9463, 0.4096, 0.5130 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(222, 235, 0) }
```

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

```
.border{ border-color:rgb(222, 235, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 235, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 235,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9463, 0.4096, 0.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 235, 0) }
```

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

```
.background{ background-color: rgb(222,  
235, 0) }
```

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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