

# Converting Colors

$Y_{xy}(72.2957, 0.3976, 0.5225)$

Have a look what the booklet for  
Yxy(72.2957, 0.3976, 0.5225)  
contains.

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**Color**

**Yxy(72.5385, 0.3974, 0.5226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEEB00
RGB	206, 235, 0
RGB Percent	81%, 92%, 0%
CMY	0.1922, 0.0784, 0.9985
CMYK	0.12, 0.00, 1.00, 0.08
HSL	67°, 100%, 46%
HSV	67°, 100%, 92%
XYZ	55.1604, 72.5385, 11.1042
YIQ	199.5390, 58.1510, -79.2330

# Conversions

## Conversions Part 2

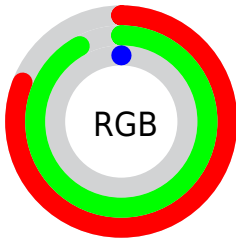
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 235, 29
Decimal	13560576
CIELab	88.23, -32.19, 86.26
CIELCh	88, 92.072, 110.466
Yxy	72.5385, 0.3974, 0.5226
Android (android.graphics.Color)	4291750656 (0xFFCEE000)
YUV	199.5390, -98.3727, 5.6663
Hunter-Lab	85.1695, -33.4405, 51.8886

# Details

The Yxy color **72.5385, 0.3974, 0.5226** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed yellow. A complement of this color would be **6.2743, 0.1540, 0.0623**, and the grayscale version is **58.0777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **38.4432, 0.3881, 0.5300** is the 20% darker color. If you saturate the color by 10%, you get **72.5341, 0.3974, 0.5227**, and if you desaturate by 10%, it is **73.0264, 0.3977, 0.5173**.

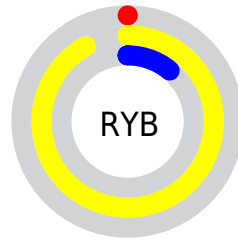
# Distribution



Red (81%)

Green (92%)

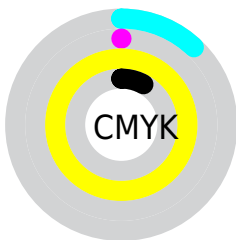
Blue (0%)



Red (0%)

Yellow (92%)

Blue (11%)

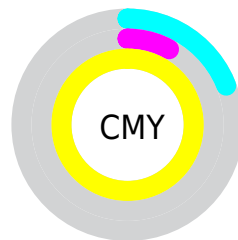


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (19%)

Magenta (8%)

Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5385, 0.3974, 0.5226 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 72.5385, 0.3974, 0.5226 by changing the saturation by 10% instead.





 72.5385, 0.3974,  
0.5226


 72.5385, 0.3974,  
0.5226

469.4138, 0.3689,  
0.4366


 53.5987, 0.4001,  
0.5393


 122.8218, 0.3904,  
0.4948


 38.2809, 0.4014,  
0.5580


 154.9341, 0.3869,  
0.4833

 26.2008, 0.3999,  
0.5783


 192.2061, 0.3834,  
0.4731

 16.9739, 0.3961,  
0.6039

 235.0220, 0.3801,  
0.4641

 10.2159, 0.3786,  
0.6214

 283.7663, 0.3770,  
0.4561

 5.5423, 0.3530,  
0.6470

 338.8235, 0.3741,

 2.5688, 0.3123,

0.4489

0.6877

400.5778, 0.3714,  
0.4424

■ 0.9110, 0.0805,  
0.9195

■ 0.0000, 0.0000,  
0.0000

■ 72.5385, 0.3974,  
0.5226

■ 72.5385, 0.3974,  
0.5226

■ 72.5341, 0.3974,  
0.5227

■ 73.0264, 0.3977,  
0.5173

■ 73.5970, 0.3958,  
0.5081

■ 74.2775, 0.3913,  
0.4944

■ 75.0825, 0.3841,  
0.4764

■ 76.0238, 0.3748,  
0.4548

■ 77.1122, 0.3637,  
0.4307

■ 78.3571, 0.3514,  
0.4051

■ 79.7671, 0.3385,  
0.3791

■ 81.3504, 0.3254,  
0.3533

# Harmonies

## Analogous

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



72.5385, 0.4814, 0.4582



72.5385, 0.3974, 0.5226



72.5385, 0.2985, 0.5262

# Triad

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



72.5385, 0.3974, 0.5226



72.5385, 0.1364, 0.2183



72.5385, 0.4086, 0.2474

# Complementary

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



72.5385, 0.3974, 0.5226



6.2743, 0.1540, 0.0623

# 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.



72.5385, 0.2943, 0.1994



72.5385, 0.3974, 0.5226



72.5385, 0.1538, 0.1795

# Square

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



72.5385, 0.3974, 0.5226



72.5385, 0.1526, 0.3043



72.5385, 0.2052, 0.1754



72.5385, 0.5012, 0.3113



# Rectangle

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



72.5385, 0.3974, 0.5226



72.5385, 0.2356, 0.4719



72.5385, 0.2052, 0.1754



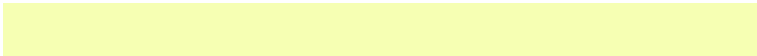
72.5385, 0.3699, 0.2291

# Sweetspot

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



72.5418, 0.3974, 0.5226



94.2636, 0.3518, 0.4059



18.4836, 0.6315, 0.3366



20.0359, 0.3571, 0.4169



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.



72.5418, 0.3974, 0.5226



87.2803, 0.3973, 0.5228



61.6123, 0.3213, 0.5830



17.5269, 0.3249, 0.3524



40.4036, 0.3977, 0.5224



3.1992, 0.4009, 0.5199



# Inverse Universe

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



6.2743, 0.1540, 0.0623



7.5198, 0.1537, 0.0620



12.0332, 0.2257, 0.1018



14.6382, 0.2999, 0.3048



3.5134, 0.1546, 0.0626

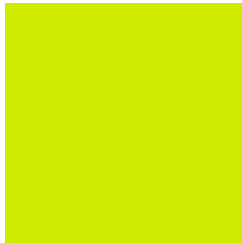


0.3049, 0.1641, 0.0678



# Previews

## White Background



This preview shows how the Yxy color 72.5385, 0.3974, 0.5226 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

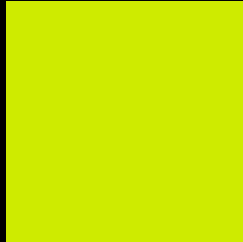
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.5385, 0.3974, 0.5226 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 72.5385, 0.3974, 0.5226**

## Background



This preview shows how black text looks on a background with the Yxy color 72.5385, 0.3974, 0.5226.



This preview shows how white text looks on a background with the Yxy color 72.5385, 0.3974, 0.5226.

# 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

72.5385, 0.3974, 0.5226

### Protanopia

71.8526, 0.4410, 0.4881

### Deuteranopia

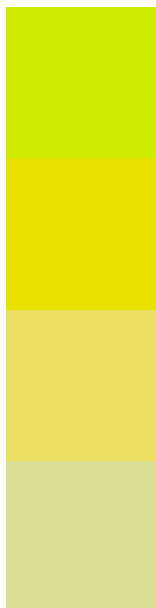
72.1940, 0.3872, 0.3917



## Tritanopia

72.0462, 0.3051, 0.3098

# Trichromacy



## Original Color

72.5385, 0.3974, 0.5226

## Protanomaly

71.7164, 0.4247, 0.5010

## Deuteranomaly

71.1289, 0.4046, 0.4550

## Tritanomaly

70.2650, 0.3570, 0.4127

# Monochromacy



## Original Color

72.5385, 0.3974, 0.5226

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

61.6774, 0.3638, 0.4316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5385, 0.3974, 0.5226 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(206, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 235, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5385, 0.3974, 0.5226 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(206, 235, 0) }
```

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

```
.border{ border-color:rgb(206, 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(206, 235, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 235,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5385, 0.3974, 0.5226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 235, 0) }
```

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

```
.background{ background-color: rgb(206,  
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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