

# Converting Colors

$Y_{xy}(73.9248, 0.3554, 0.5560)$

Have a look what the booklet for  
Yxy(73.9248, 0.3554, 0.5560)  
contains.

<b>Yxy(73.6896, 0.3557, 0.5558)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(73.6896, 0.3557, 0.5558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DF700
RGB	157, 247, 0
RGB Percent	62%, 97%, 0%
CMY	0.3845, 0.0313, 1.0000
CMYK	0.36, 0.00, 1.00, 0.03
HSL	82°, 100%, 48%
HSV	82°, 100%, 97%
XYZ	47.1598, 73.6896, 11.7336
YIQ	191.9320, 25.6470, -95.8970

# Conversions

## Conversions Part 2

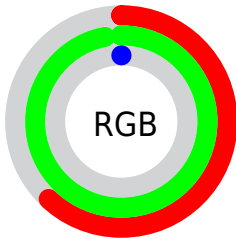
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 247, 90
Decimal	10352384
CIELab	88.78, -55.78, 85.47
CIELCh	89, 102.066, 123.130
Yxy	73.6896, 0.3557, 0.5558
Android (android.graphics.Color)	4288542464 (0xFF9DF700)
YUV	191.9320, -94.6225, -30.6354
Hunter-Lab	85.8426, -52.1613, 51.9857

# Details

The Yxy color **73.6896, 0.3557, 0.5558** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.8921, 0.1773, 0.0750**, and the grayscale version is **53.2203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1981, 0.3758, 0.4920**, and **39.3137, 0.3372, 0.5705** is the 20% darker color. If you saturate the color by 10%, you get **73.6931, 0.3557, 0.5558**, and if you desaturate by 10%, it is **74.7011, 0.3599, 0.5469**.

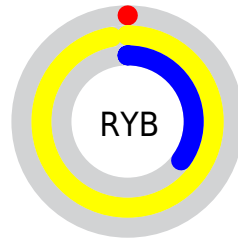
# Distribution



Red (62%)

Green (97%)

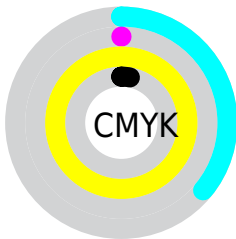
Blue (0%)



Red (0%)

Yellow (97%)

Blue (35%)

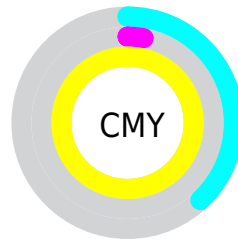


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (38%)

Magenta (3%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6896, 0.3557, 0.5558 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 73.6896, 0.3557, 0.5558 by changing the saturation by 10% instead.





 73.6896, 0.3557,  
0.5558


 73.6896, 0.3557,  
0.5558


473.4014, 0.3477,  
0.4496


 54.5400, 0.3537,  
0.5780


 124.4557, 0.3559,  
0.5201

 39.0336, 0.3491,  
0.6038


 156.8410, 0.3551,  
0.5058

 26.7858, 0.3403,  
0.6333


 194.4070, 0.3540,  
0.4933

 17.4124, 0.3275,  
0.6725

 237.5381, 0.3528,  
0.4823

 10.5290, 0.2975,  
0.7025

 286.6187, 0.3515,  
0.4726

 5.7511, 0.2546,  
0.7454

 342.0332, 0.3502,

 2.6943, 0.1856,

0.4641

0.8144

404.1660, 0.3489,  
0.4564

■ 0.9743, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 73.6896, 0.3557,  
0.5558

■ 73.6896, 0.3557,  
0.5558

■ 73.6931, 0.3557,  
0.5558


■ 74.7011, 0.3599,  
0.5469


■ 75.8646, 0.3621,  
0.5333


■ 77.2120, 0.3617,  
0.5147

■ 78.7609, 0.3589,  
0.4917

 80.5262, 0.3540,  
0.4655

 82.5210, 0.3473,  
0.4376

 84.7573, 0.3393,  
0.4090

 87.2460, 0.3307,  
0.3810

 89.9974, 0.3217,  
0.3541

# Harmonies

## Analogous

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



73.6896, 0.4565, 0.4985



73.6896, 0.3557, 0.5558



73.6896, 0.2502, 0.5173

# Triad

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



73.6896, 0.3557, 0.5558



73.6896, 0.1276, 0.1855



73.6896, 0.4678, 0.2673

# Complementary

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



73.6896, 0.3557, 0.5558



8.8921, 0.1773, 0.0750

# 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.



73.6896, 0.3433, 0.2082



73.6896, 0.3557, 0.5558



73.6896, 0.1603, 0.1625

# Square

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



73.6896, 0.3557, 0.5558



73.6896, 0.1283, 0.2533



73.6896, 0.2313, 0.1716



73.6896, 0.5404, 0.3380



# Rectangle

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



73.6896, 0.3557, 0.5558



73.6896, 0.1907, 0.4299



73.6896, 0.2313, 0.1716



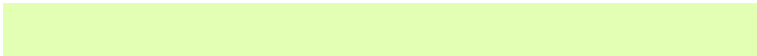
73.6896, 0.4287, 0.2457

# Sweetspot

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



73.6931, 0.3557, 0.5558



91.1037, 0.3394, 0.4092



26.5045, 0.5865, 0.3725



19.2758, 0.3428, 0.4212



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.



73.6931, 0.3557, 0.5558



79.2057, 0.3556, 0.5559



66.9228, 0.3036, 0.5971



18.9940, 0.3212, 0.3528



39.0530, 0.3567, 0.5550



3.4904, 0.3645, 0.5488



# Inverse Universe

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



8.8921, 0.1773, 0.0750



9.5450, 0.1771, 0.0749



20.4118, 0.2826, 0.1330



16.2208, 0.3036, 0.3049



4.7755, 0.1789, 0.0759

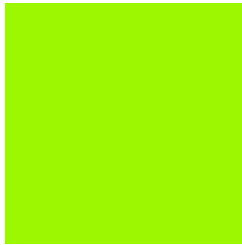


0.4758, 0.1927, 0.0835



# Previews

## White Background



This preview shows how the Yxy color 73.6896, 0.3557, 0.5558 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 73.6896, 0.3557, 0.5558 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

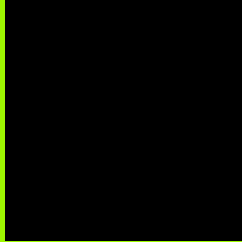
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.6896, 0.3557, 0.5558**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6896, 0.3557, 0.5558.



This preview shows how white text looks on a background with the Yxy color 73.6896, 0.3557, 0.5558.

# 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

73.6896, 0.3557, 0.5558

### Protanopia

72.5665, 0.4409, 0.4881

### Deuteranopia

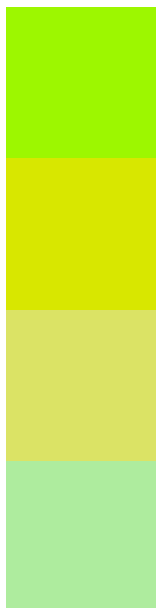
72.8404, 0.3840, 0.3886



## Tritanopia

73.4382, 0.2724, 0.3089

# Trichromacy



## Original Color

73.6896, 0.3557, 0.5558

## Protanomaly

71.7508, 0.4079, 0.5144

## Deuteranomaly

70.9378, 0.3862, 0.4641

## Tritanomaly

71.4582, 0.3184, 0.4243

# Monochromacy



## Original Color

73.6896, 0.3557, 0.5558

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

58.0758, 0.3486, 0.4435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6896, 0.3557, 0.5558 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(157, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 247, 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(157, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 247, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6896, 0.3557, 0.5558 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(157, 247, 0) }
```

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

```
.border{ border-color:rgb(157, 247, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 247,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6896, 0.3557, 0.5558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 247, 0) }
```

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

```
.background{ background-color: rgb(157,  
247, 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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