

# Converting Colors

Hex(70A923)

Have a look what the booklet for  
Hex(70A923) contains.

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**Color**

**Hex(70A923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70A923
RGB	112, 169, 35
RGB Percent	44%, 66%, 14%
CMY	0.5608, 0.3373, 0.8627
CMYK	0.34, 0.00, 0.79, 0.34
HSL	86°, 66%, 40%
HSV	86°, 79%, 66%
XYZ	21.1734, 31.9420, 6.6396
YIQ	136.6810, 9.0420, -53.7580

# Conversions

## Conversions Part 2

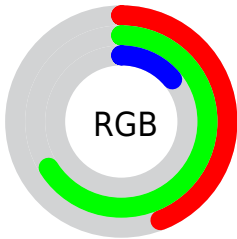
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 169, 92
Decimal	7383331
CIELab	63.29, -38.69, 57.99
CIElCh	63, 69.714, 123.707
Yxy	31.9420, 0.3543, 0.5345
Android (android.graphics.Color)	4285573411 (0xFF70A923)
YUV	136.6810, -50.1287, -21.6452
Hunter-Lab	56.5173, -32.0326, 32.5968

# Details

The Hex color **70A923** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5C23A9**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **A8E15B**, and **397400** is the 20% darker color. If you saturate the color by 10%, you get **69A912**, and if you desaturate by 10%, it is **77A934**.

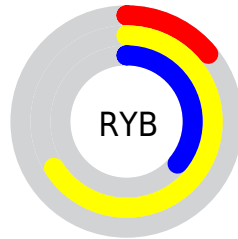
# Distribution



Red (44%)

Green (66%)

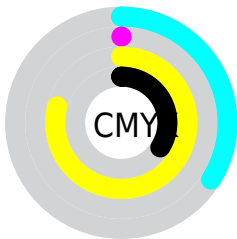
Blue (14%)



Red (14%)

Yellow (66%)

Blue (36%)

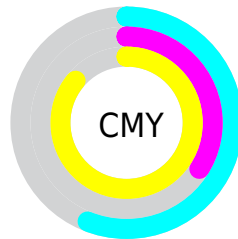


Cyan (34%)

Magenta (0%)

Yellow (79%)

Black (34%)



Cyan (56%)

Magenta (34%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70A923 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 Hex color 70A923 by changing the saturation by 10% instead.



 70A923

 70A923

FFFFFF

 548E00

 A8E15B

 397400

 C5FD77

 1C5B00

 E2FF92

 004300

 FFFFAE

 002D00

 FFFFC A

 001400

 FFFF E7

 000000

 70A923


 70A923

 69A912

 77A934

 62A901

 7EA945

 61A900

 86A956

 8DA967

 94A977

 9BA988

 A2A999

 AAA9AA

 B1A9BB

# Harmonies

## Analogous

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



B09900



70A923



00B25F

# Triad

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



70A923



00AEFF



FF5994

# Complementary

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



70A923



5C23A9

# 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.



E968D1



70A923



009EFF

# Square

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



70A923



00B5DD



A385FF



FF6658

# Rectangle

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



70A923



00B58A



A385FF



FF5BA9



# Sweetspot

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



70A923



C5DBA7



A95B23



606E4E



EDEDED



6E6E6E



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70A923



83DB0B



2EA923



51544C



559400



0C1400



# Inverse Universe

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



5C23A9



640BDB



9E23A9



4F4C54



3F0094



090014



# Previews

## White Background



This preview shows how the Hex color 70A923 looks on a white background.

## Color Contrast Check

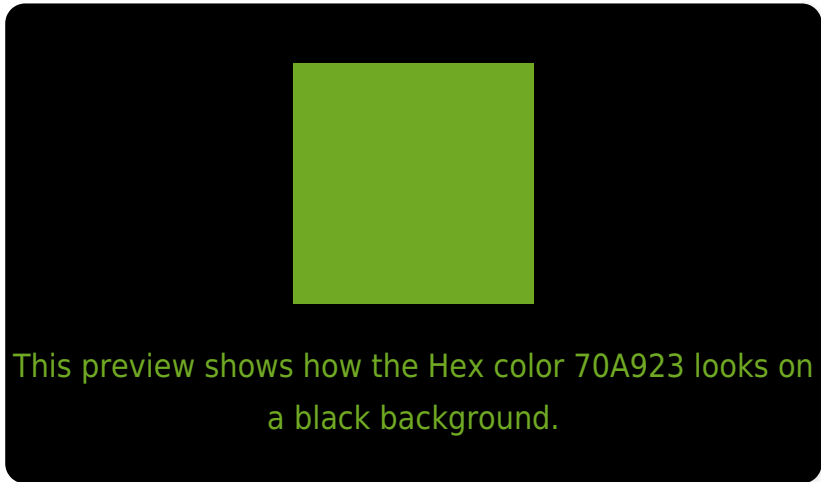
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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](#).



## Hex 70A923 Background



This preview shows how black text looks on a background with the Hex color 70A923.



This preview shows how white text looks on a background with the Hex color 70A923.

# 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



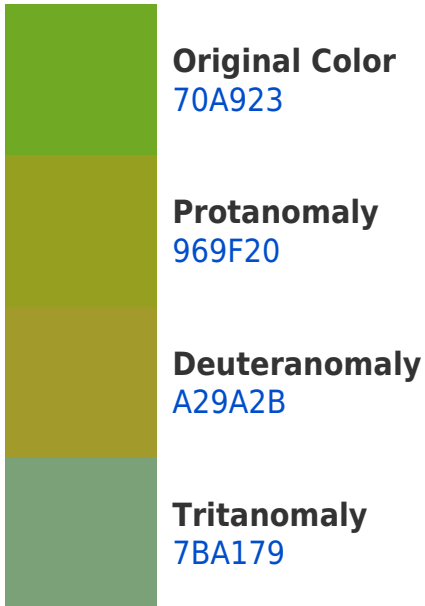
**Original Color**  
70A923

**Protanopia**  
AC991F

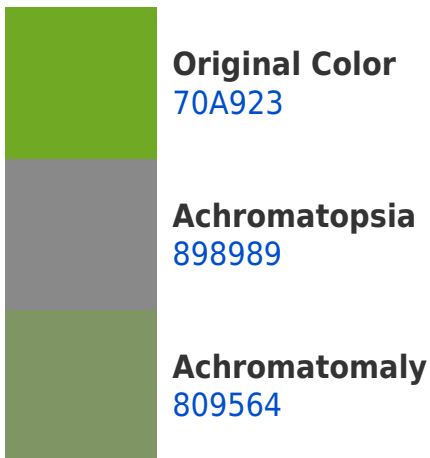
**Deuteranopia**  
BF912F



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70A923 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 #70A923 looks like.

```
.text, #text, p{  
    color:#70A923  
}
```

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 #70A923 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70A923
}
```

## Border

The CSS property to change the border of an element to Hex 70A923 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
#70A923 }
```

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

```
.border{ border-color:#70A923 }
```

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

Here you see how a box with a 4 pixel #70A923 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70A923; -webkit-box-shadow:4px 4px  
4px 4px #70A923; box-shadow:4px 4px 4px  
4px #70A923 }
```

# Background

The CSS property to change the background color of an element to Hex 70A923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70A923 }
```

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

```
.background{ background-color:#70A923 }
```

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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