

# Converting Colors

Hex(77255A)

Have a look what the booklet for  
Hex(77255A) contains.

<b>Hex(77255A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(77255A)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	77255A
RGB	119, 37, 90
RGB Percent	47%, 15%, 35%
CMY	0.5333, 0.8549, 0.6471
CMYK	0.00, 0.69, 0.24, 0.53
HSL	321°, 53%, 31%
HSV	321°, 69%, 47%
XYZ	10.1148, 5.9833, 10.2946
YIQ	67.5600, 31.8590, 33.8670

# Conversions

## Conversions Part 2

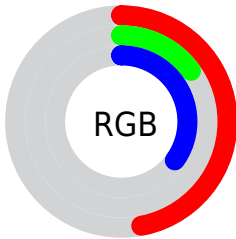
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 37, 90
Decimal	7808346
CIE <sub>Lab</sub>	29.37, 41.38, -12.89
CIE <sub>LCh</sub>	29, 43.342, 342.700
Yxy	5.9833, 0.3832, 0.2267
Android (android.graphics.Color)	4285998426 (0xFF77255A)
YUV	67.5600, 11.0629, 45.1129
Hunter-Lab	24.4607, 31.0056, -7.8306

# Details

The Hex color **77255A** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **257742**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **AE588C**, and **43002C** is the 20% darker color. If you saturate the color by 10%, you get **771956**, and if you desaturate by 10%, it is **77315E**.

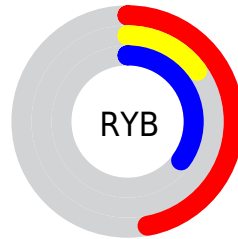
# Distribution



Red (47%)

Green (15%)

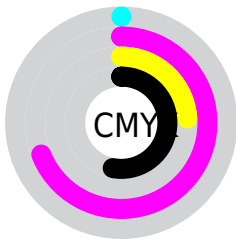
Blue (35%)



Red (47%)

Yellow (15%)

Blue (35%)

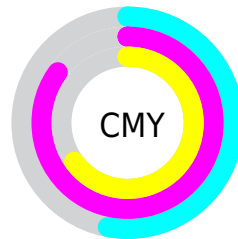


Cyan (0%)

Magenta (69%)

Yellow (24%)

Black (53%)



Cyan (53%)

Magenta (85%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77255A 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 77255A by changing the saturation by 10% instead.



 77255A

 77255A

FFFFFF

 5D0642

 AE588C

 43002C

 CA72A7

 2D0018

 E78DC2

 000000

 FFA8DE

 FFC4FA

 FFE0FF

 FFFDFF

 77255A

 77255A

■ 771956

■ 77315E

■ 770D52

■ 773D62

■ 77014D

■ 774967

■ 77004D

■ 77556B

■ 77616F

■ 776C73

■ 777877

■ 77847C

■ 779080

# Harmonies

## Analogous

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



583577



77255A



802138

# Triad

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



77255A



474800



005372

# Complementary

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



77255A



257742

# 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.



005453



77255A



204F0D

# Square

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



77255A



643C00



005330



004E86

# Rectangle

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



77255A



7D2823



005330



005469



# Sweetspot

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



77255A



9C7B90



422577



4F3B48



CFCFCF



4F4F4F



# Same Dimension

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



77255A



9C1A6E



772531



3B3539



7A004F



FA00A2



# Inverse Universe

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



77255A



9C1A6E



25776B



3B3539



7A004F

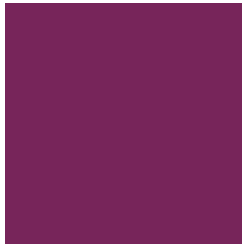


FA00A2



# Previews

## White Background



This preview shows how the Hex color 77255A looks on a white background.

## Color Contrast Check

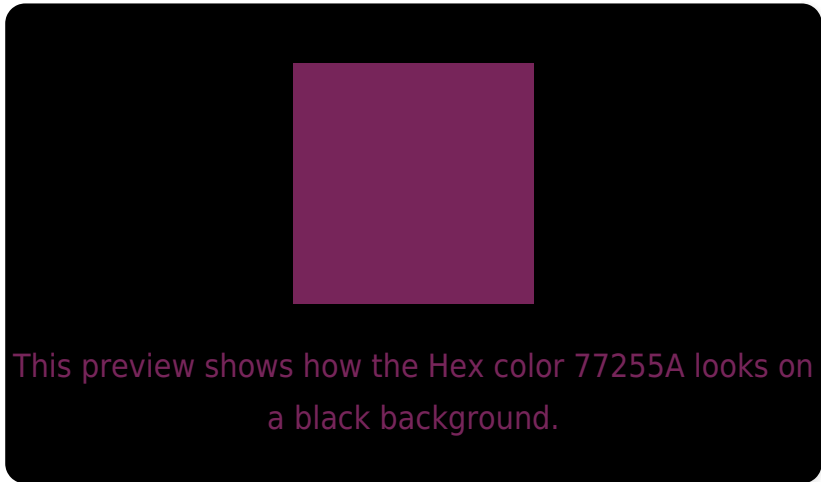
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

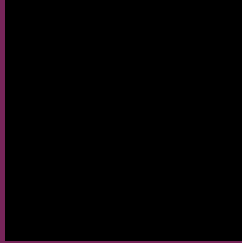
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 77255A Background



This preview shows how black text looks on a background with the Hex color 77255A.




This preview shows how white text looks on a background with the Hex color 77255A.

# 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





**Tritanopia**  
743033

# Trichromacy



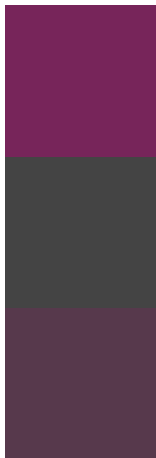
**Original Color**  
77255A

**Protanomaly**  
4D3969

**Deuteranomaly**  
583957

**Tritanomaly**  
752C41

# Monochromacy



**Original Color**  
77255A

**Achromatopsia**  
444444

**Achromatomaly**  
57394C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77255A 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 #77255A looks like.

```
.text, #text, p{  
    color:#77255A  
}
```

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 #77255A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77255A
}
```

## Border

The CSS property to change the border of an element to Hex 77255A is called "border". The border property can be set on classes, ids or directly on the HTML element.

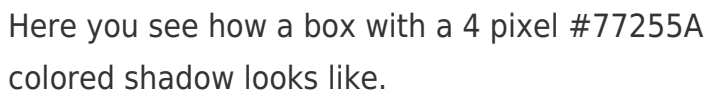
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#77255A }
```

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

```
.border{ border-color:#77255A }
```

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



Here you see how a box with a 4 pixel #77255A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77255A; -webkit-box-shadow:4px 4px  
4px 4px #77255A; box-shadow:4px 4px 4px  
4px #77255A }
```

# Background

The CSS property to change the background color of an element to Hex 77255A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77255A }
```

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

```
.background{ background-color:#77255A }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor