

# Converting Colors

Hex(22297A)

Have a look what the booklet for  
Hex(22297A) contains.

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# Color

Hex(22297A)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	22297A
RGB	34, 41, 122
RGB Percent	13%, 16%, 48%
CMY	0.8667, 0.8392, 0.5216
CMYK	0.72, 0.66, 0.00, 0.52
HSL	235°, 56%, 31%
HSV	235°, 72%, 48%
XYZ	4.9655, 3.3311, 18.7936
YIQ	48.1410, -30.1730, 23.7070

# Conversions

## Conversions Part 2

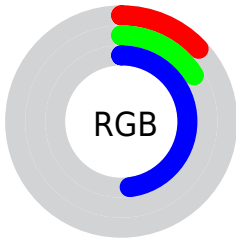
Format	Color
R <sub>Y</sub> B	34, 40, 122
Decimal	2238842
CIE Lab	21.32, 26.04, -47.00
CIE LCh	21, 53.733, 298.982
Yxy	3.3311, 0.1833, 0.1230
Android (android.graphics.Color)	4280428922 (0xFF22297A)
YUV	48.1410, 36.4125, -12.4017
Hunter-Lab	18.2513, 16.6232, -48.2758

# Details

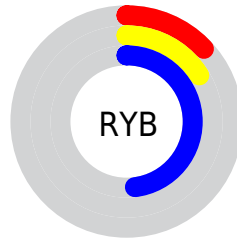
The Hex color **22297A** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **7A7322**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **5C56AF**, and **000048** is the 20% darker color. If you saturate the color by 10%, you get **161E7A**, and if you desaturate by 10%, it is **2E347A**.

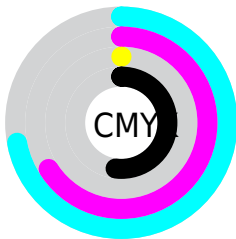
# Distribution



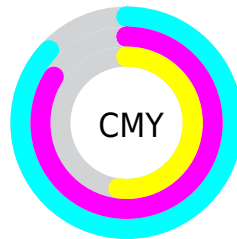
- Red (13%)
- Green (16%)
- Blue (48%)



- Red (13%)
- Yellow (16%)
- Blue (48%)



- Cyan (72%)
- Magenta (66%)
- Yellow (0%)
- Black (52%)



- Cyan (87%)
- Magenta (84%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22297A 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 22297A by changing the saturation by 10% instead.



■ 22297A

■ 22297A

FFFFFF

■ 001561

■ 5C56AF

■ 000048

■ 776FCB

■ 000431

■ 9388E7

■ 00011B

■ AFA2FF

■ 000000

■ CBBEFF

■ E8D9FF

■ FFF6FF

■ 22297A

■ 22297A

■ 161E7A

■ 2E347A

■ 0A137A

■ 3A3F7A

■ 000A7A

■ 474B7A

■ 53567A

■ 5F617A

■ 6B6C7A

■ 77787A

■ 84837A

■ 908E7A

# Harmonies

## Analogous

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



003A84



22297A



5F055D

# Triad

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



22297A



5F1E00



004231

# Complementary

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



22297A



7A7322

# 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.



004002



22297A



413100

# Square

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



22297A



71000F



183B00



004359

# Rectangle

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



22297A



700044



183B00



004223



# Sweetspot

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



22297A



7B7E9E



227A73



3A3C4F



CFCFCF



4F4F4F



# Same Dimension

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



22297A



151F9E



47227A



37383D



000A7D



0014FC



# Inverse Universe

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



7A2229



9E151F



557A22



3D3738



7D000A

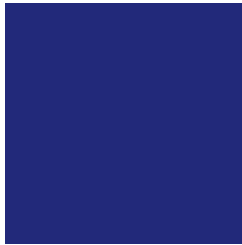


FC0014



# Previews

## White Background



This preview shows how the Hex color 22297A looks on a white background.

## Color Contrast Check

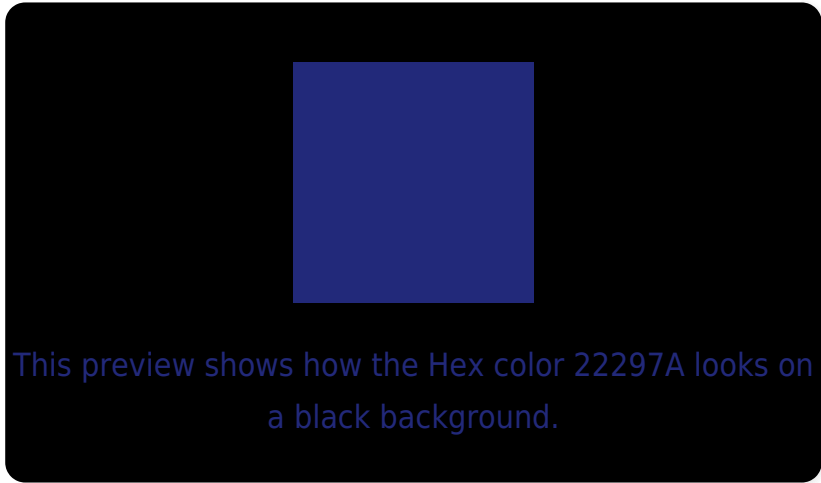
Large Text (above 18pt) WCAG AA ✓ Pass

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

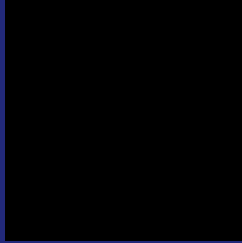
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 22297A Background



This preview shows how black text looks on a background with the Hex color 22297A.



This preview shows how white text looks on a background with the Hex color 22297A.

# 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**  
22297A

**Protanopia**  
003269

**Deuteranopia**  
00355A



**Tritanopia**  
00393D

# Trichromacy



**Original Color**  
22297A

**Protanomaly**  
0C2F6F

**Deuteranomaly**  
0C3166

**Tritanomaly**  
0C3353

# Monochromacy



**Original Color**  
22297A

**Achromatopsia**  
303030

**Achromatomaly**  
2B2D4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22297A 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 #22297A looks like.

```
.text, #text, p{  
    color:#22297A  
}
```

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 #22297A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22297A
}
```

## Border

The CSS property to change the border of an element to Hex 22297A 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
#22297A }
```

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

```
.border{ border-color:#22297A }
```

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

Here you see how a box with a 4 pixel #22297A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22297A; -webkit-box-shadow:4px 4px  
4px 4px #22297A; box-shadow:4px 4px 4px  
4px #22297A }
```

# Background

The CSS property to change the background color of an element to Hex 22297A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22297A }
```

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

```
.background{ background-color:#22297A }
```

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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