

# Converting Colors

Hex(220A53)

Have a look what the booklet for  
Hex(220A53) contains.

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# Color

**Hex(220A53)**

# Conversions

## Conversions Part 1

Format	Color
Hex	220A53
RGB	34, 10, 83
RGB Percent	13%, 4%, 33%
CMY	0.8667, 0.9608, 0.6745
CMYK	0.59, 0.88, 0.00, 0.67
HSL	260°, 78%, 18%
HSV	260°, 88%, 33%
XYZ	2.3296, 1.1817, 8.2889
YIQ	25.4980, -9.1290, 27.7910

# Conversions

## Conversions Part 2

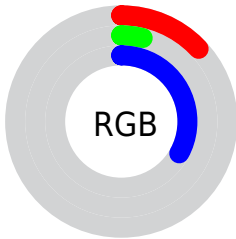
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 10, 83
Decimal	2230867
CIE <sub>Lab</sub>	10.42, 31.35, -39.21
CIE <sub>LCh</sub>	10, 50.203, 308.646
Yxy	1.1817, 0.1974, 0.1001
Android (android.graphics.Color)	4280420947 (0xFF220A53)
YUV	25.4980, 28.3485, 7.4563
Hunter-Lab	10.8706, 19.2289, -37.5997

# Details

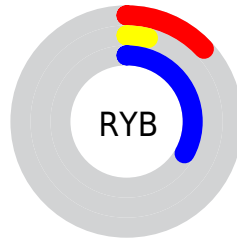
The Hex color **220A53** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **3B530A**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **553785**, and **000225** is the 20% darker color. If you saturate the color by 10%, you get **1C0253**, and if you desaturate by 10%, it is **281253**.

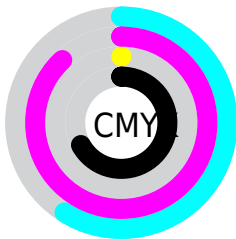
# Distribution



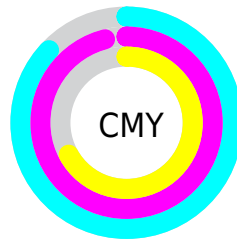
- Red (13%)
- Green (4%)
- Blue (33%)



- Red (13%)
- Yellow (4%)
- Blue (33%)



- Cyan (59%)
- Magenta (88%)
- Yellow (0%)
- Black (67%)



- Cyan (87%)
- Magenta (96%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 220A53 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 220A53 by changing the saturation by 10% instead.



 220A53

 220A53

 FFEEFF

 0F003C

 553785

 000225

 704FA0

 00010D

 8A67BB

 000000

 A581D7

 C19BF4

 DEB6FF

 FBD2FF

 220A53

 220A53

■ 1C0253

■ 281253

■ 1B0053

■ 2D1B53

■ 332353

■ 382B53

■ 3E3353

■ 433C53

■ 494453

■ 4F4C53

■ 545553

# Harmonies

## Analogous

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



001F62



220A53



490036

# Triad

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



220A53



371000



002A26

# Complementary

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



220A53



3B530A

# 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.



002900



220A53



1C1E00

# Square

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



220A53



4B0000



002600



002A47

# Rectangle

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



220A53



520020



002600



00291A



# Sweetspot

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



220A53



584F6B



0A3C53



2A2536



B5B5B5



363636



# Same Dimension

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



220A53



23006B



460A53



262529



220069



4C00E8



# Inverse Universe

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



530A3B



6B0048



17530A



292527



690046

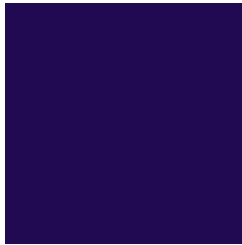


E8009C



# Previews

## White Background



This preview shows how the Hex color 220A53 looks on a white background.

## Color Contrast Check

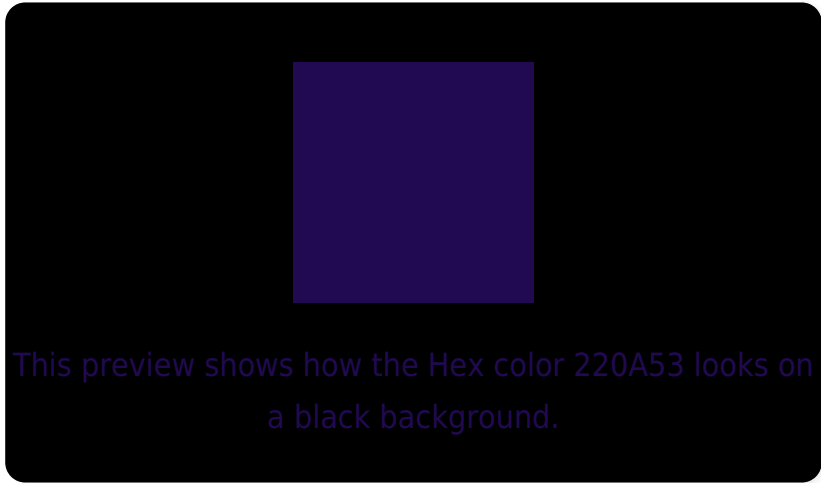
Large Text (above 18pt) WCAG AA ✓ Pass

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

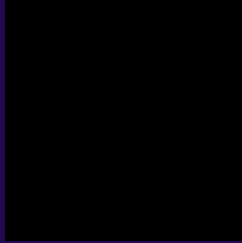
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 220A53 Background



This preview shows how black text looks on a background with the Hex color 220A53.



This preview shows how white text looks on a background with the Hex color 220A53.

# 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**  
220A53

**Protanopia**  
001D3E

**Deuteranopia**  
001F35



**Tritanopia**  
0D2124

# Trichromacy



**Original Color**

220A53

**Protanomaly**

0C1646

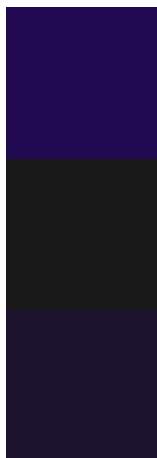
**Deuteranomaly**

0C1740

**Tritanomaly**

151935

# Monochromacy



**Original Color**

220A53

**Achromatopsia**

191919

**Achromatomaly**

1C142E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 220A53 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 #220A53 looks like.

```
.text, #text, p{  
    color:#220A53  
}
```

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 #220A53 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #220A53  
}
```

## Border

The CSS property to change the border of an element to Hex 220A53 is called "border". The border property can be set on classes, ids or directly on the HTML element.

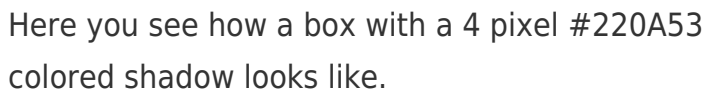
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#220A53 }
```

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

```
.border{ border-color:#220A53 }
```

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



Here you see how a box with a 4 pixel #220A53 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #220A53; -webkit-box-shadow:4px 4px  
4px 4px #220A53; box-shadow:4px 4px 4px  
4px #220A53 }
```

# Background

The CSS property to change the background color of an element to Hex 220A53 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#220A53 }
```

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

```
.background{ background-color:#220A53 }
```

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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