

# Converting Colors

Hex(21046A)

Have a look what the booklet for  
Hex(21046A) contains.

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# Color

**Hex(21046A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21046A
RGB	33, 4, 106
RGB Percent	13%, 2%, 42%
CMY	0.8706, 0.9843, 0.5843
CMYK	0.69, 0.96, 0.00, 0.58
HSL	257°, 93%, 22%
HSV	257°, 96%, 42%
XYZ	3.2721, 1.4508, 13.7432
YIQ	24.2990, -15.4580, 37.8700

# Conversions

## Conversions Part 2

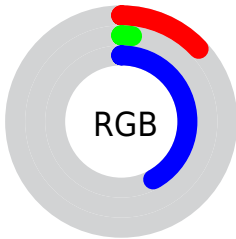
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 4, 106
Decimal	2163818
CIE <sub>Lab</sub>	12.29, 40.71, -51.55
CIE <sub>LCh</sub>	12, 65.682, 308.300
Yxy	1.4508, 0.1772, 0.0786
Android (android.graphics.Color)	4280353898 (0xFF21046A)
YUV	24.2990, 40.2786, 7.6308
Hunter-Lab	12.0448, 27.4135, -59.2191




# Details

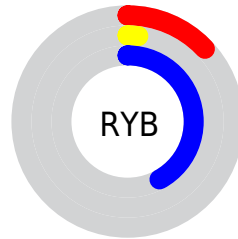
The Hex color **21046A** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **4D6A04**, and the grayscale version is **181818**.




A 20% lighter version of the original color is **5A359E**, and **000039** is the 20% darker color. If you saturate the color by 10%, you get **1E006A**, and if you desaturate by 10%, it is **290F6A**.

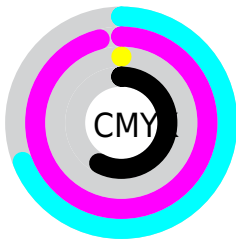
# Distribution







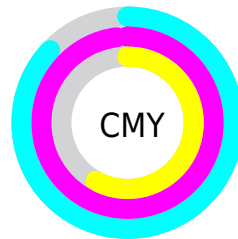
-  Red (13%)
-  Green (2%)
-  Blue (42%)






-  Red (13%)
-  Yellow (2%)
-  Blue (42%)



-  Cyan (69%)
-  Magenta (96%)
-  Yellow (0%)
-  Black (58%)



-  Cyan (87%)
-  Magenta (98%)
-  Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21046A 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 21046A by changing the saturation by 10% instead.



 21046A

 21046A

 FFEEFF

 000051

 5A359E

 000039

 764DBA

 000223

 9166D6

 000009

 AD80F3

 000000

 CA9AFF

 E7B5FF

 FFD1FF

 21046A

 21046A

■ 1E006A

■ 290F6A

■ 30196A

■ 38246A

■ 3F2E6A

■ 47396A

■ 4F446A

■ 564E6A

■ 5E596A

■ 65636A

# Harmonies

## Analogous

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



00257E



21046A



5A0043

# Triad

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



21046A



420D00



002F2C

# Complementary

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



21046A



4D6A04

# 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.



002E00



21046A



1E2300

# Square

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



21046A



5C0000



002B00



003159

# Rectangle

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



21046A



660025



002B00



002E1C



# Sweetspot

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



21046A



6D628A



044D6A



342D45



C4C4C4



454545



# Same Dimension

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



21046A



27008A



54046A



323036



210075



4600F5



# Inverse Universe

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



6A044D



8A0063



1A6A04



363034



750054

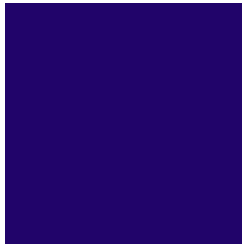


F500AF



# Previews

## White Background



This preview shows how the Hex color 21046A looks on a white background.

## Color Contrast Check

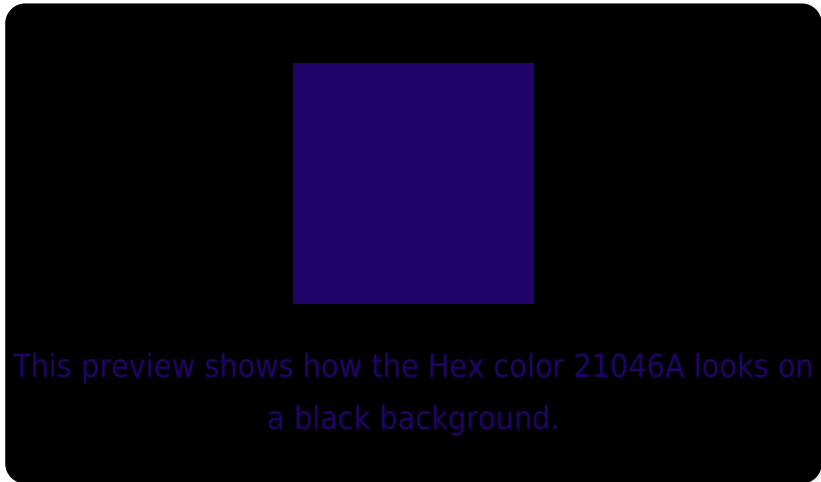
Large Text (above 18pt) WCAG AA ✓ Pass

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

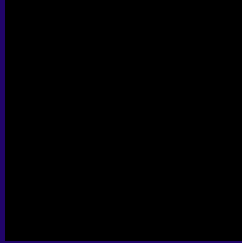
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 21046A Background



This preview shows how black text looks on a background with the Hex color 21046A.



This preview shows how white text looks on a background with the Hex color 21046A.

# 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**  
21046A

**Protanopia**  
002248

**Deuteranopia**  
00253D



# Trichromacy



**Original Color**  
21046A

**Protanomaly**  
0C1754

**Deuteranomaly**  
0C194D

**Tritanomaly**  
0C1A41

# Monochromacy



**Original Color**  
21046A

**Achromatopsia**  
181818

**Achromatomaly**  
1B1136

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21046A 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 #21046A looks like.

```
.text, #text, p{  
    color:#21046A  
}
```

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 #21046A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21046A
}
```

## Border

The CSS property to change the border of an element to Hex 21046A is called "border". The border property can be set on classes, ids or directly on the HTML element.

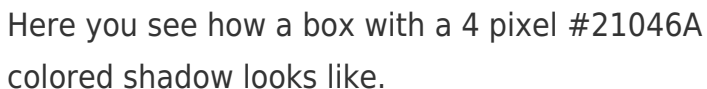
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#21046A }
```

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

```
.border{ border-color:#21046A }
```

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



Here you see how a box with a 4 pixel #21046A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21046A; -webkit-box-shadow:4px 4px  
4px 4px #21046A; box-shadow:4px 4px 4px  
4px #21046A }
```

# Background

The CSS property to change the background color of an element to Hex 21046A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21046A }
```

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

```
.background{ background-color:#21046A }
```

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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