

# Converting Colors

Hex(180C6A)

Have a look what the booklet for  
Hex(180C6A) contains.

<b>Hex(180C6A)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(180C6A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	180C6A
RGB	24, 12, 106
RGB Percent	9%, 5%, 42%
CMY	0.9059, 0.9529, 0.5843
CMYK	0.77, 0.89, 0.00, 0.58
HSL	248°, 80%, 23%
HSV	248°, 89%, 42%
XYZ	3.1097, 1.4977, 13.7609
YIQ	26.3040, -23.0220, 31.7780

# Conversions

## Conversions Part 2

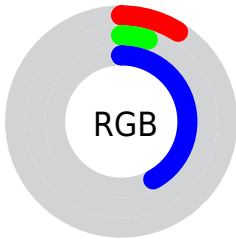
<b>Format</b>	<b>Color</b>
<b>RYB</b>	24, 12, 106
Decimal	1576042
CIELab	12.59, 36.67, -51.07
CIELCh	13, 62.869, 305.680
Yxy	1.4977, 0.1693, 0.0815
Android (android.graphics.Color)	4279766122 (0xFF180C6A)
YUV	26.3040, 39.2901, -2.0206
Hunter-Lab	12.2382, 23.9392, -58.0999

# Details

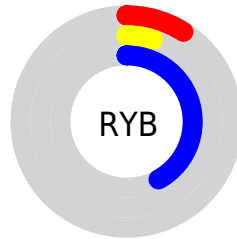
The Hex color **180C6A** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **5E6A0C**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **543A9E**, and **000239** is the 20% darker color. If you saturate the color by 10%, you get **0F016A**, and if you desaturate by 10%, it is **21176A**.

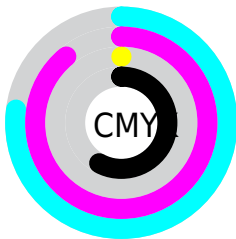
# Distribution



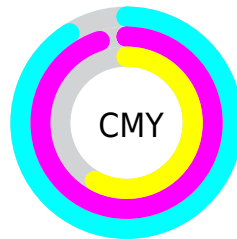
- Red (9%)
- Green (5%)
- Blue (42%)



- Red (9%)
- Yellow (5%)
- Blue (42%)



- Cyan (77%)
- Magenta (89%)
- Yellow (0%)
- Black (58%)



- Cyan (91%)
- Magenta (95%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 180C6A 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 180C6A by changing the saturation by 10% instead.



 180C6A

 180C6A

 FFF2FF

 000051


 543A9E

 000239

 6F52BA

 000223

 8B6AD6

 000009

 A784F3

 000000

 C39EFF

 E0B9FF

 FED5FF

 180C6A

 180C6A

■ 0F016A

■ 21176A

■ 0E006A

■ 2A216A

■ 342C6A

■ 3D366A

■ 46416A

■ 4F4C6A

■ 59566A

■ 62616A

■ 6B6B6A

# Harmonies

## Analogous

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



00277B



180C6A



560046

# Triad

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



180C6A



450C00



003028

# Complementary

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



180C6A



5E6A0C

# 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.



002F00



180C6A



232200

# Square

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



180C6A



5C0000



002B00



003154

# Rectangle

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



180C6A



630029



002B00



002F19



# Sweetspot

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



180C6A



69658A



0C5F6A



322F45



C4C4C4



454545



# Same Dimension

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



180C6A



12008A



460C6A



313036



0F0075



1F00F5



# Inverse Universe

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



6A0C5E



8A0078



306A0C



363035



750066

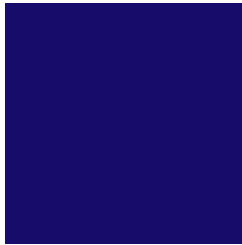


F500D6



# Previews

## White Background



This preview shows how the Hex color 180C6A looks on a white background.

## Color Contrast Check

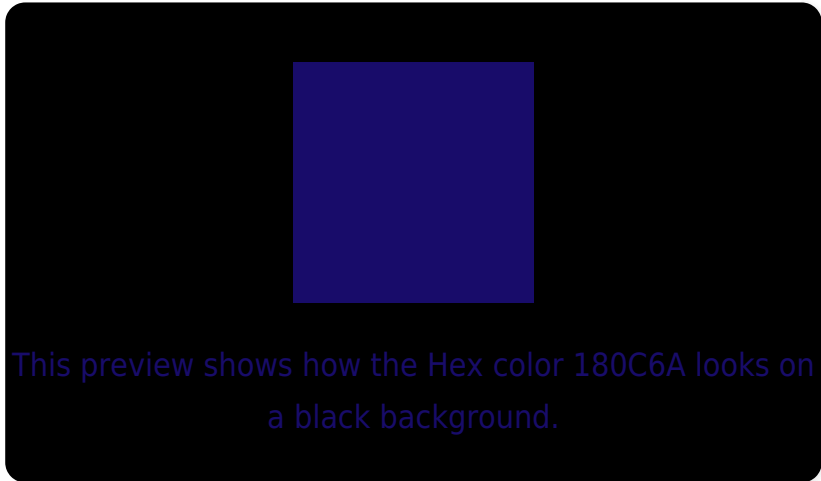
Large Text (above 18pt) WCAG AA ✓ Pass

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

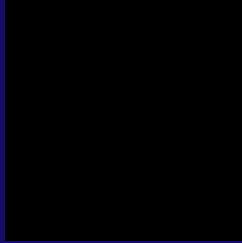
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 180C6A Background



This preview shows how black text looks on a background with the Hex color 180C6A.



This preview shows how white text looks on a background with the Hex color 180C6A.

# 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**  
180C6A

**Protanopia**  
002247

**Deuteranopia**  
00243C



# Trichromacy



**Original Color**  
180C6A

**Protanomaly**  
091A54

**Deuteranomaly**  
091B4D

**Tritanomaly**  
091D41

# Monochromacy



**Original Color**  
180C6A

**Achromatopsia**  
1A1A1A

**Achromatomaly**  
191537

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 180C6A 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 #180C6A looks like.

```
.text, #text, p{  
    color:#180C6A  
}
```

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 #180C6A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #180C6A
}
```

## Border

The CSS property to change the border of an element to Hex 180C6A 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
#180C6A }
```

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

```
.border{ border-color:#180C6A }
```

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

Here you see how a box with a 4 pixel #180C6A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #180C6A; -webkit-box-shadow:4px 4px  
4px 4px #180C6A; box-shadow:4px 4px 4px  
4px #180C6A }
```

# Background

The CSS property to change the background color of an element to Hex 180C6A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#180C6A }
```

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

```
.background{ background-color:#180C6A }
```

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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