

# Converting Colors

Hex(180E75)

Have a look what the booklet for  
Hex(180E75) contains.

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# Color

**Hex(180E75)**

# Conversions

## Conversions Part 1

Format	Color
Hex	180E75
RGB	24, 14, 117
RGB Percent	9%, 5%, 46%
CMY	0.9059, 0.9451, 0.5412
CMYK	0.79, 0.88, 0.00, 0.54
HSL	246°, 79%, 26%
HSV	246°, 88%, 46%
XYZ	3.7446, 1.7926, 16.9783
YIQ	28.7320, -27.1030, 34.1530

# Conversions

## Conversions Part 2

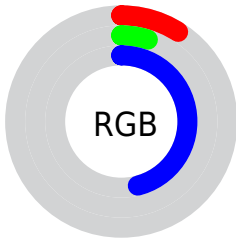
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 14, 117
Decimal	1576565
CIE <sub>Lab</sub>	14.36, 39.28, -55.31
CIE <sub>LCh</sub>	14, 67.833, 305.382
Yxy	1.7926, 0.1663, 0.0796
Android (android.graphics.Color)	4279766645 (0xFF180E75)
<b>YUV</b>	28.7320, 43.5161, -4.1500
Hunter-Lab	13.3889, 26.4925, -65.8127

# Details

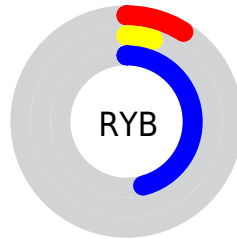
The Hex color **180E75** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **6B750E**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **573CAA**, and **000043** is the 20% darker color. If you saturate the color by 10%, you get **0D0275**, and if you desaturate by 10%, it is **231A75**.

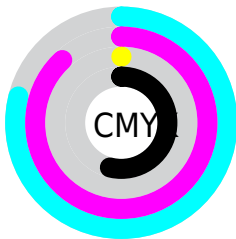
# Distribution



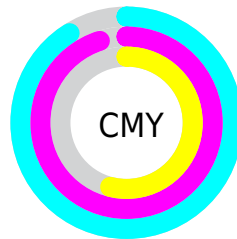
- Red (9%)
- Green (5%)
- Blue (46%)



- Red (9%)
- Yellow (5%)
- Blue (46%)



- Cyan (79%)
- Magenta (88%)
- Yellow (0%)
- Black (54%)



- Cyan (91%)
- Magenta (95%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 180E75 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 180E75 by changing the saturation by 10% instead.



 180E75

 180E75

 FFF6FF

 00005C

 573CAA

 000043

 7354C6

 00032C

 8F6DE2

 000116

 AB87FF

 000000

 C8A2FF

 E5BDFF

 FFD9FF

 180E75

 180E75

■ 0D0275

■ 231A75

■ 0B0075

■ 2D2575

■ 383175

■ 423D75

■ 4D4875

■ 575475

■ 626075

■ 6D6C75

■ 777775

# Harmonies

## Analogous

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



002B88



180E75



5E004D

# Triad

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



180E75



4C0D00



00342C

# Complementary

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



180E75



6B750E

# 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.



003300



180E75



272600

# Square

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



180E75



650000



002F00



00365C

# Rectangle

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



180E75



6D002E



002F00



00341B



# Sweetspot

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



180E75



757199



0E6C75



37354D



CCCCCC



4D4D4D



# Same Dimension

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



180E75



0F0099



4A0E75



35353B



0C007A



1800FA



# Inverse Universe

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



750E6B



99008A



39750E



3B353A



7A006F

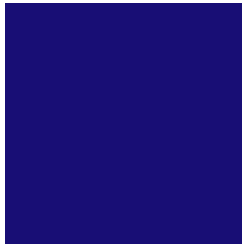


FA00E2



# Previews

## White Background



This preview shows how the Hex color 180E75 looks on a white background.

## Color Contrast Check

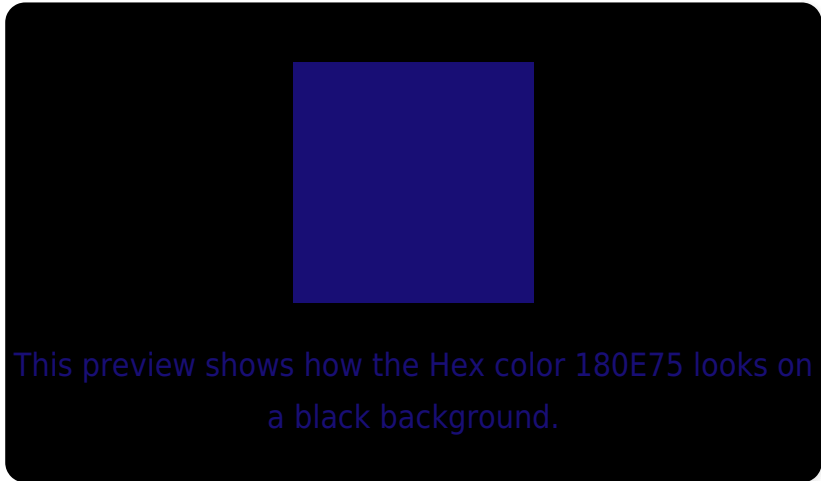
Large Text (above 18pt) WCAG AA ✓ Pass

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

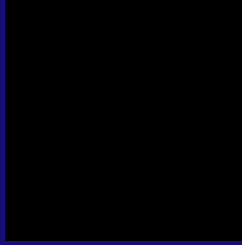
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 180E75 Background



This preview shows how black text looks on a background with the Hex color 180E75.



This preview shows how white text looks on a background with the Hex color 180E75.

# 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**  
180E75

**Protanopia**  
00254D

**Deuteranopia**  
002742



**Tritanopia**  
002B2D

# Trichromacy



**Original Color**  
180E75

**Protanomaly**  
091D5C

**Deuteranomaly**  
091E55

**Tritanomaly**  
092047

# Monochromacy



**Original Color**  
180E75

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
1B183D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 180E75 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 #180E75 looks like.

```
.text, #text, p{  
    color:#180E75  
}
```

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 #180E75 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #180E75  
}
```

## Border

The CSS property to change the border of an element to Hex 180E75 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".

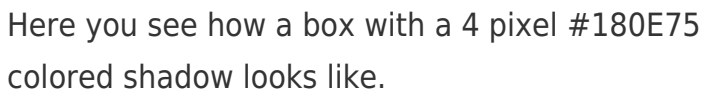
```
.border, #border, table{ border:4px solid  
#180E75 }
```

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

```
.border{ border-color:#180E75 }
```

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

Here you see how a box with a 4 pixel #180E75 colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin blue border. The shadow is a thick, dark blue horizontal bar at the bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #180E75; -webkit-box-shadow:4px 4px  
4px 4px #180E75; box-shadow:4px 4px 4px  
4px #180E75 }
```

# Background

The CSS property to change the background color of an element to Hex 180E75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#180E75 }
```

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

```
.background{ background-color:#180E75 }
```

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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