

# Converting Colors

Hex(173C72)

Have a look what the booklet for  
Hex(173C72) contains.

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# Color

Hex(173C72)

# Conversions

## Conversions Part 1

Format	Color
Hex	173C72
RGB	23, 60, 114
RGB Percent	9%, 24%, 45%
CMY	0.9098, 0.7647, 0.5529
CMYK	0.80, 0.47, 0.00, 0.55
HSL	216°, 66%, 27%
HSV	216°, 80%, 45%
XYZ	5.0065, 4.6288, 16.5492
YIQ	55.0930, -39.3860, 8.9500

# Conversions

## Conversions Part 2

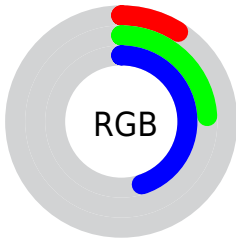
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 49, 114
Decimal	1522802
CIE <sub>Lab</sub>	25.65, 7.90, -34.92
CIE <sub>LCh</sub>	26, 35.807, 282.750
Yxy	4.6288, 0.1912, 0.1768
Android (android.graphics.Color)	4279712882 (0xFF173C72)
YUV	55.0930, 29.0412, -28.1456
Hunter-Lab	21.5146, 3.8866, -30.5460

# Details

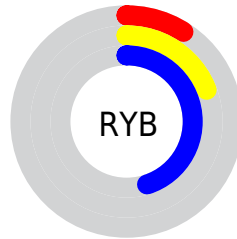
The Hex color **173C72** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **724D17**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **516BA6**, and **001241** is the 20% darker color. If you saturate the color by 10%, you get **0C3572**, and if you desaturate by 10%, it is **224372**.

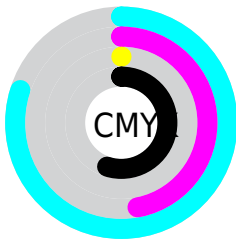
# Distribution



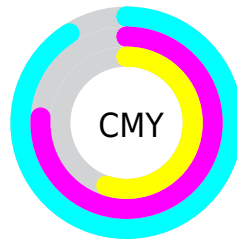
- Red (9%)
- Green (24%)
- Blue (45%)



- Red (9%)
- Yellow (19%)
- Blue (45%)



- Cyan (80%)
- Magenta (47%)
- Yellow (0%)
- Black (55%)



- Cyan (91%)
- Magenta (76%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 173C72 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 173C72 by changing the saturation by 10% instead.



■ 173C72

■ 173C72

FFFFFF

■ 002759

■ 516BA6

■ 001241

■ 6C84C2

■ 00032B

■ 879EDE

■ 000115

■ A3B9FB

■ 000000

■ BFD4FF

■ DCF1FF

■ F9FFFF

■ 173C72

■ 173C72

■ 0C3572

■ 224372

■ 002E72

■ 2E4A72

■ 395072

■ 455772

■ 505E72

■ 5B6572

■ 676B72

■ 727272

■ 7E7972

# Harmonies

## Analogous

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



004471



173C72



4D3065

# Triad

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



173C72



672A19



00482C

# Complementary

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



173C72



724D17

# 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.



204511



173C72



573603

# Square

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



173C72



6D2232



3F3F00



004948

# Rectangle

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



173C72



5F2856



3F3F00



004823



# Sweetspot

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



173C72



707F94



17724C



353D4A



C9C9C9



4A4A4A



# Same Dimension

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



173C72



064094



1F1772



323538



003178



0065F7



# Inverse Universe

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



72173C



940640



6A7217



383235



780031



F70065



# Previews

## White Background



This preview shows how the Hex color 173C72 looks on a white background.

## Color Contrast Check

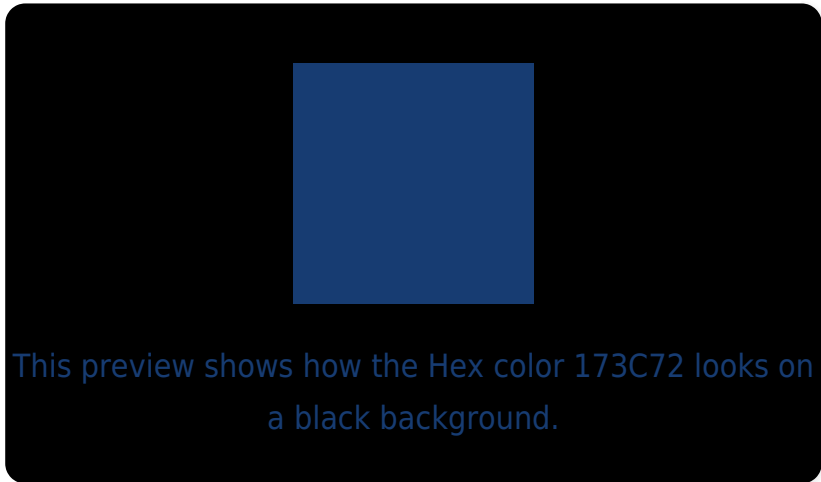
Large Text (above 18pt) WCAG AA ✓ Pass

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 173C72 Background



This preview shows how black text looks on a background with the Hex color 173C72.



This preview shows how white text looks on a background with the Hex color 173C72.

# 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**  
173C72

**Protanopia**  
213B71

**Deuteranopia**  
003E6D



**Tritanopia**  
004448

# Trichromacy



**Original Color**  
173C72

**Protanomaly**  
1D3B71

**Deuteranomaly**  
083D6F

**Tritanomaly**  
084157

# Monochromacy



**Original Color**  
173C72

**Achromatopsia**  
373737

**Achromatomaly**  
2B394C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 173C72 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 #173C72 looks like.

```
.text, #text, p{  
    color:#173C72  
}
```

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 #173C72 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #173C72
}
```

## Border

The CSS property to change the border of an element to Hex 173C72 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
#173C72 }
```

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

```
.border{ border-color:#173C72 }
```

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

Here you see how a box with a 4 pixel #173C72 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #173C72; -webkit-box-shadow:4px 4px  
4px 4px #173C72; box-shadow:4px 4px 4px  
4px #173C72 }
```

# Background

The CSS property to change the background color of an element to Hex 173C72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#173C72 }
```

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

```
.background{ background-color:#173C72 }
```

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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