

# Converting Colors

Hex(172D75)

Have a look what the booklet for  
Hex(172D75) contains.

<b>Hex(172D75)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(172D75)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	172D75
RGB	23, 45, 117
RGB Percent	9%, 18%, 46%
CMY	0.9098, 0.8235, 0.5412
CMYK	0.80, 0.62, 0.00, 0.54
HSL	226°, 67%, 27%
HSV	226°, 80%, 46%
XYZ	4.5026, 3.3433, 17.2376
YIQ	46.6300, -36.2240, 17.7280

# Conversions

## Conversions Part 2

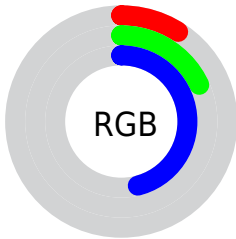
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 41, 117
Decimal	1518965
CIE <sub>Lab</sub>	21.37, 19.84, -43.76
CIE <sub>LCh</sub>	21, 48.052, 294.389
Yxy	3.3433, 0.1795, 0.1333
Android (android.graphics.Color)	4279709045 (0xFF172D75)
YUV	46.6300, 34.6924, -20.7235
Hunter-Lab	18.2847, 11.9577, -43.0956

# Details

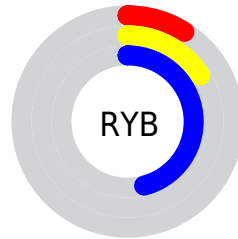
The Hex color **172D75** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **755F17**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **535AAA**, and **000044** is the 20% darker color. If you saturate the color by 10%, you get **0B2475**, and if you desaturate by 10%, it is **233675**.

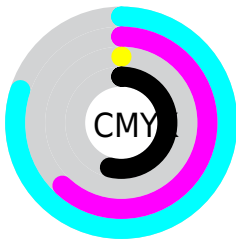
# Distribution



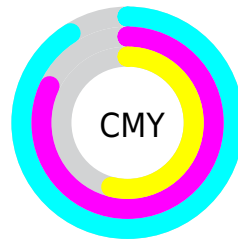
- Red (9%)
- Green (18%)
- Blue (46%)



- Red (9%)
- Yellow (16%)
- Blue (46%)



- Cyan (80%)
- Magenta (62%)
- Yellow (0%)
- Black (54%)



- Cyan (91%)
- Magenta (82%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 172D75 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 172D75 by changing the saturation by 10% instead.



■ 172D75

■ 172D75

FFFFFF

■ 00195C

■ 535AAA

■ 000044

■ 6E73C5

■ 00032D

■ 8A8CE2

■ 000117

■ A6A7FF

■ 000000

■ C2C2FF

■ DFDEFF

■ FCFAFF

■ 172D75

■ 172D75

■ 0B2475

■ 233675

■ 001B75

■ 2E3F75

■ 3A4875

■ 465175

■ 525A75

■ 5D6375

■ 696C75

■ 757575

■ 807E75

# Harmonies

## Analogous

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



003A7B



172D75



56165D

# Triad

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



172D75



5F1E00



00412B

# Complementary

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



172D75



755F17

# 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.



003F02



172D75



463000

# Square

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



172D75



6D0019



243A00



004250

# Rectangle

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



172D75



670047



243A00



00411F



# Sweetspot

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



172D75



747D99



17755E



363C4D



CCCCCC



4D4D4D



# Same Dimension

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



172D75



062899



2E1775



35363B



001D7A



003AFA



# Inverse Universe

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



75172D



990628



5E7517



3B3536



7A001D



FA003A



# Previews

## White Background



This preview shows how the Hex color 172D75 looks on a white background.

## Color Contrast Check

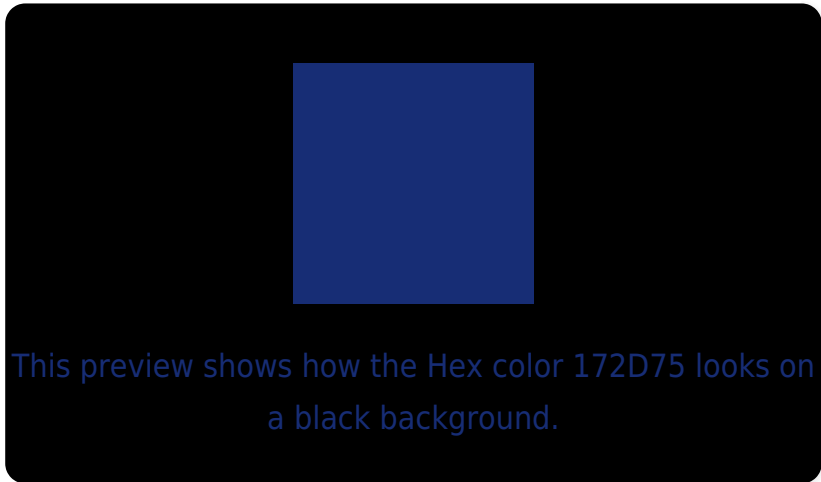
Large Text (above 18pt) WCAG AA ✓ Pass

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

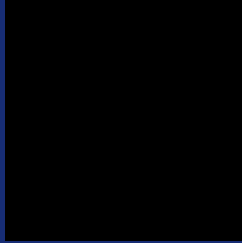
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 172D75 Background



This preview shows how black text looks on a background with the Hex color 172D75.



This preview shows how white text looks on a background with the Hex color 172D75.

# 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**  
172D75

**Protanopia**  
003269

**Deuteranopia**  
00355A



**Tritanopia**  
00393D

# Trichromacy



**Original Color**  
172D75

**Protanomaly**  
08306D

**Deuteranomaly**  
083264

**Tritanomaly**  
083551

# Monochromacy



**Original Color**  
172D75

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
262E48

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 172D75 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 #172D75 looks like.

```
.text, #text, p{  
    color:#172D75  
}
```

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 #172D75 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #172D75
}
```

## Border

The CSS property to change the border of an element to Hex 172D75 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
#172D75 }
```

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

```
.border{ border-color:#172D75 }
```

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

Here you see how a box with a 4 pixel #172D75 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #172D75; -webkit-box-shadow:4px 4px  
4px 4px #172D75; box-shadow:4px 4px 4px  
4px #172D75 }
```

# Background

The CSS property to change the background color of an element to Hex 172D75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#172D75 }
```

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

```
.background{ background-color:#172D75 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor