

Converting Colors

Hex(172175)

Have a look what the booklet for
Hex(172175) contains.

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Color

Hex(172175)

Conversions

Conversions Part 1

Format	Color
Hex	172175
RGB	23, 33, 117
RGB Percent	9%, 13%, 46%
CMY	0.9098, 0.8706, 0.5412
CMYK	0.80, 0.72, 0.00, 0.54
HSL	234°, 67%, 27%
HSV	234°, 80%, 46%
XYZ	4.1081, 2.5542, 17.1061
YIQ	39.5860, -32.9240, 24.0040

Conversions

Conversions Part 2

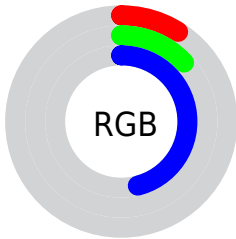
Format	Color
R_{YB}	23, 32, 117
Decimal	1515893
CIE _{Lab}	18.16, 28.22, -49.02
CIE _{LCh}	18, 56.561, 299.929
Yxy	2.5542, 0.1728, 0.1075
Android (android.graphics.Color)	4279705973 (0xFF172175)
YUV	39.5860, 38.1651, -14.5459
Hunter-Lab	15.9819, 17.9143, -52.2731

Details

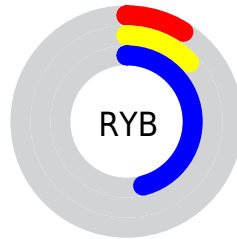
The Hex color **172175** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **756B17**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **544EAA**, and **000044** is the 20% darker color. If you saturate the color by 10%, you get **0B1775**, and if you desaturate by 10%, it is **232B75**.

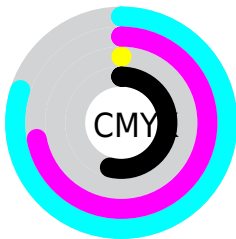
Distribution



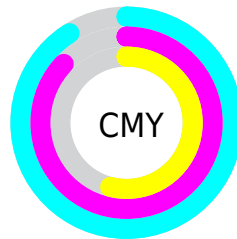
- Red (9%)
- Green (13%)
- Blue (46%)



- Red (9%)
- Yellow (13%)
- Blue (46%)



- Cyan (80%)
- Magenta (72%)
- Yellow (0%)
- Black (54%)



- Cyan (91%)
- Magenta (87%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Hex color 172175 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 172175 by changing the saturation by 10% instead.

■ 172175

■ 172175

FFFFFF

■ 000D5C

■ 544EAA

■ 000044

■ 7066C6

■ 00032C

■ 8B7FE2

■ 000117

■ A899FF

■ 000000

■ C4B4FF

■ E1CFFF

■ FFEBFF

■ 172175

■ 172175

■ 0B1775

■ 232B75

■ 000C75

■ 2E3675

■ 3A4075

■ 464B75

■ 525575

■ 5D6075

■ 696A75

■ 757575

■ 807F75

Harmonies

Analogous

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



003380



172175



5A0056

Triad

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



172175



561600



003B2B

Complementary

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



172175



756B17

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.



003900



172175



382B00

Square

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



172175



6B0001



083500



003C55

Rectangle

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



172175



6A003C



083500



003B1D

Sweetspot

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



172175



747899



17756A



36394D



CCCCCC



4D4D4D

Same Dimension

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



172175



061699



3B1775



35353B



000D7A



001BFA

Inverse Universe

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



751721



990616



517517



3B3535



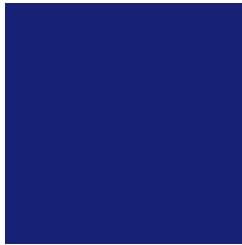
7A000D



FA001B

Previews

White Background



This preview shows how the Hex color 172175 looks on a white background.

Color Contrast Check

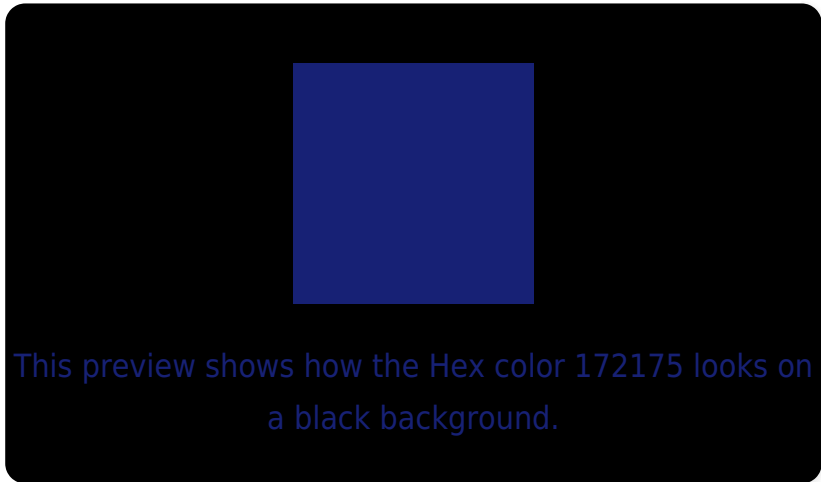
Large Text (above 18pt) WCAG AA ✓ Pass

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

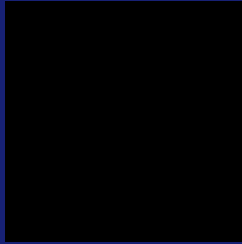
Any Text WCAG AA × Fail

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 172175 Background



This preview shows how black text looks on a background with the Hex color 172175.



This preview shows how white text looks on a background with the Hex color 172175.

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
172175

Protanopia
002B5B

Deuteranopia
002E4E

Trichromacy



Original Color
172175

Protanomaly
082764

Deuteranomaly
08295C

Monochromacy



Original Color
172175

Achromatopsia
282828

Achromatomaly
222544

CSS Examples

Text

The CSS property to change the color of the text to Hex 172175 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 #172175 looks like.

```
.text, #text, p{  
    color:#172175  
}
```

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 #172175 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #172175  
}
```

Border

The CSS property to change the border of an element to Hex 172175 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  
#172175 }
```

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

```
.border{ border-color:#172175 }
```

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

Here you see how a box with a 4 pixel #172175 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #172175; -webkit-box-shadow:4px 4px  
4px 4px #172175; box-shadow:4px 4px 4px  
4px #172175 }
```

Background

The CSS property to change the background color of an element to Hex 172175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#172175 }
```

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

```
.background{ background-color:#172175 }
```

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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