

Converting Colors

Hex(161221)

Have a look what the booklet for
Hex(161221) contains.

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Color

Hex(161221)

Conversions

Conversions Part 1

Format	Color
Hex	161221
RGB	22, 18, 33
RGB Percent	9%, 7%, 13%
CMY	0.9137, 0.9294, 0.8706
CMYK	0.33, 0.45, 0.00, 0.87
HSL	256°, 29%, 10%
HSV	256°, 45%, 13%
XYZ	0.8217, 0.7130, 1.5332
YIQ	20.9060, -2.4310, 5.5130

Conversions

Conversions Part 2

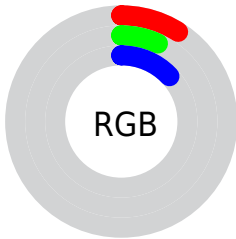
Format	Color
RYB	22, 18, 33
Decimal	1446433
CIELab	6.44, 5.90, -9.61
CIELCh	6, 11.272, 301.559
Yxy	0.7130, 0.2678, 0.2324
Android (android.graphics.Color)	4279636513 (0xFF161221)
YUV	20.9060, 5.9623, 0.9594
Hunter-Lab	8.4439, 2.5935, -4.8546

Details

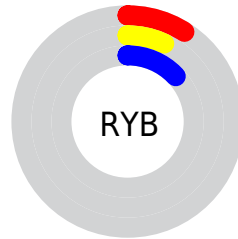
The Hex color **161221** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **1D2112**, and the grayscale version is **151515**.

A 20% lighter version of the original color is **413C4D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **140F21**, and if you desaturate by 10%, it is **181521**.

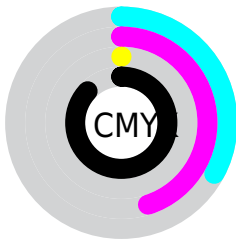
Distribution



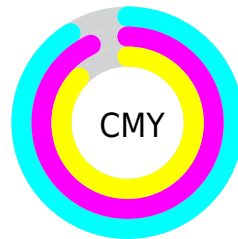
- Red (9%)
- Green (7%)
- Blue (13%)



- Red (9%)
- Yellow (7%)
- Blue (13%)



- Cyan (33%)
- Magenta (45%)
- Yellow (0%)
- Black (87%)



- Cyan (91%)
- Magenta (93%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 161221 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 161221 by changing the saturation by 10% instead.

■ 161221

■ 161221

■ F8F2FF

■ 000008

■ 413C4D

■ 000000

■ 585365

■ 706B7E

■ 8A8598

■ A49FB3

■ BFBACE

■ DBD5EA

■ 161221

■ 161221

■ 140F21

■ 181521

■ 110B21

■ 1B1921

■ 0F0821

■ 1D1C21

■ 0C0521

■ 201F21

■ 0A0121

■ 222321

■ 090021

■ 252621

■ 272921

■ 292C21

■ 2C3021

Harmonies

Analogous

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



091523



161221



1E0F1C

Triad

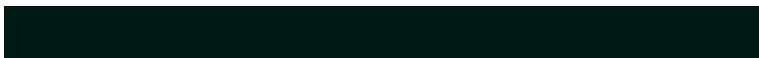
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



161221



211100



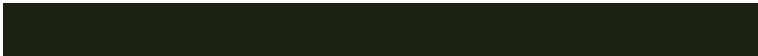
001914

Complementary

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



161221



1D2112

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.



04180A



161221



1B1400

Square

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



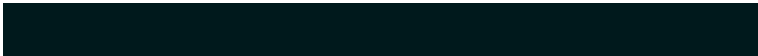
161221



230F0A



111600



00191C

Rectangle

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



161221



210E17



111600



001911

Sweetspot

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



161221



27252B



121D21



141317



969696



171717

Same Dimension

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



161221



1A142B



1E1221



0E0E0F



15004F



3700CF

Inverse Universe

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



21121D



2B1425



162112



0F0E0F



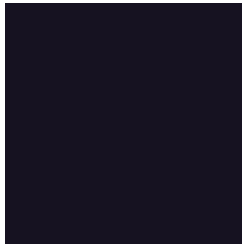
4F003A



CF0097

Previews

White Background



This preview shows how the Hex color 161221 looks on a white background.

Color Contrast Check

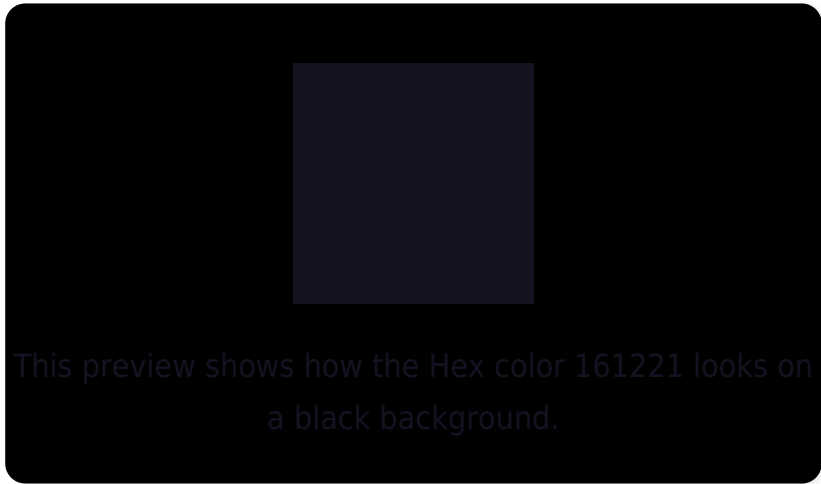
Large Text (above 18pt) WCAG AA ✓ Pass

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

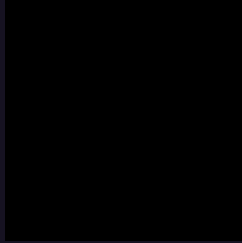
Any Text WCAG AA × Fail

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 161221 Background



This preview shows how black text looks on a background with the Hex color 161221.



This preview shows how white text looks on a background with the Hex color 161221.

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
161221

Protanopia
0E1423

Deuteranopia
0E1420



Tritanopia
141416

Trichromacy



Original Color
161221

Protanomaly
111322

Deuteranomaly
111320

Tritanomaly
15131A

Monochromacy



Original Color
161221

Achromatopsia
151515

Achromatomaly
151419

CSS Examples

Text

The CSS property to change the color of the text to Hex 161221 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 #161221 looks like.

```
.text, #text, p{  
    color:#161221  
}
```

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 #161221 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #161221
}
```

Border

The CSS property to change the border of an element to Hex 161221 is called "border". The border property can be set on classes, ids or directly on the HTML element.

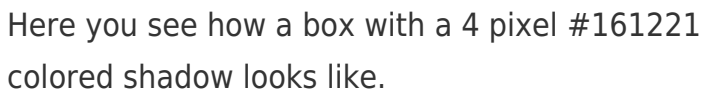
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#161221 }
```

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

```
.border{ border-color:#161221 }
```

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



Here you see how a box with a 4 pixel #161221 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #161221; -webkit-box-shadow:4px 4px  
4px 4px #161221; box-shadow:4px 4px 4px  
4px #161221 }
```

Background

The CSS property to change the background color of an element to Hex 161221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#161221 }
```

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

```
.background{ background-color:#161221 }
```

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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