

Converting Colors

Hex(163A31)

Have a look what the booklet for
Hex(163A31) contains.

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Color

Hex(163A31)

Conversions

Conversions Part 1

Format	Color
Hex	163A31
RGB	22, 58, 49
RGB Percent	9%, 23%, 19%
CMY	0.9137, 0.7725, 0.8078
CMYK	0.62, 0.00, 0.16, 0.77
HSL	165°, 45%, 16%
HSV	165°, 62%, 23%
XYZ	2.3983, 3.4184, 3.4391
YIQ	46.2100, -18.5670, -10.4310

Conversions

Conversions Part 2

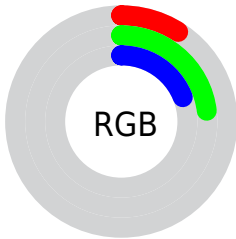
Format	Color
RYB	22, 43, 58
Decimal	1456689
CIELab	21.65, -15.62, 1.69
CIELCh	22, 15.710, 173.831
Yxy	3.4184, 0.2591, 0.3693
Android (android.graphics.Color)	4279646769 (0xFF163A31)
YUV	46.2100, 1.3755, -21.2322
Hunter-Lab	18.4890, -9.2016, 1.9138

Details

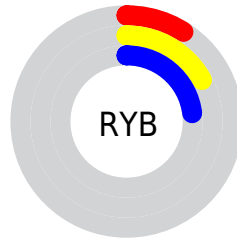
The Hex color **163A31** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3A161F**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **45695F**, and **000B02** is the 20% darker color. If you saturate the color by 10%, you get **103A30**, and if you desaturate by 10%, it is **1C3A32**.

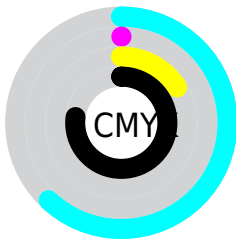
Distribution



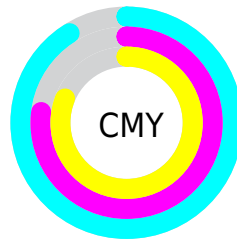
- Red (9%)
- Green (23%)
- Blue (19%)



- Red (9%)
- Yellow (17%)
- Blue (23%)



- Cyan (62%)
- Magenta (0%)
- Yellow (16%)
- Black (77%)



- Cyan (91%)
- Magenta (77%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 163A31 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 163A31 by changing the saturation by 10% instead.

■ 163A31

■ 163A31

FFFFFF

■ 00241C

■ 45695F

■ 000B02

■ 5D8378

■ 000000

■ 769D91

■ 91B8AC

■ ABD3C7

■ C7F0E3

■ E3FFFF

■ 163A31

■ 163A31

■ 103A30

■ 1C3A32

■ 0A3A2E

■ 223A34

■ 053A2D

■ 273A35

■ 003A2C

■ 2D3A37

■ 333A38

■ 393A3A

■ 3F3A3B

■ 443A3D

■ 4A3A3E

Harmonies

Analogous

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



253926



163A31



093A3D

Triad

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



163A31



323249



472E22

Complementary

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



163A31



3A161F

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.



4B2B2B



163A31



402E42

Square

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



163A31



1F364B



492B37



3E321D

Rectangle

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



163A31



093944



492B37



482D24

Sweetspot

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



163A31



3E4D49



1F3A16



1D2624



A6A6A6



262626

Same Dimension

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



163A31



144D3E



16313A



191C1B



005C45



00DBA4

Inverse Universe

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



3A161F



4D1422



3A1F16



1C191A



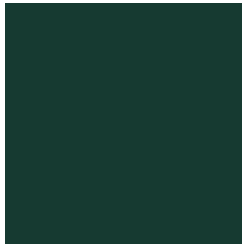
5C0017



DB0037

Previews

White Background



This preview shows how the Hex color 163A31 looks on a white background.

Color Contrast Check

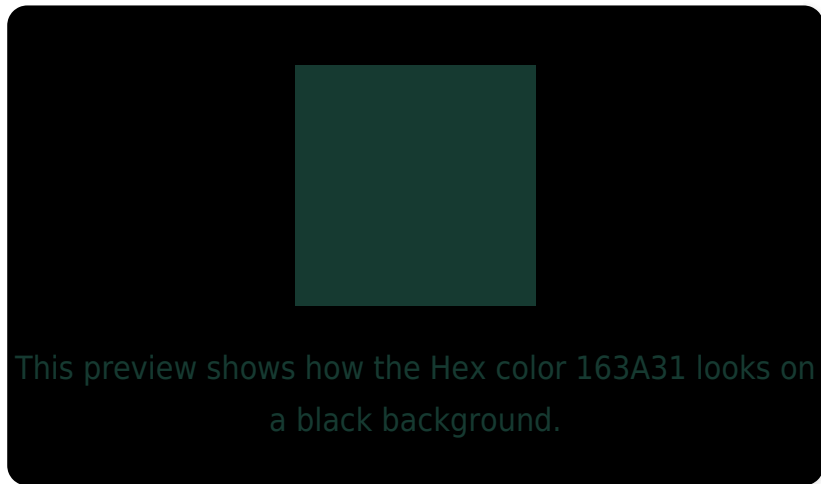
Large Text (above 18pt) WCAG AA ✓ Pass

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

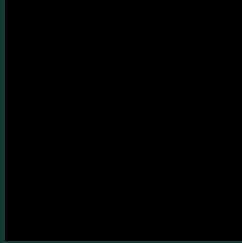
Any Text WCAG AA × Fail

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 163A31 Background



This preview shows how black text looks on a background with the Hex color 163A31.



This preview shows how white text looks on a background with the Hex color 163A31.

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](#).

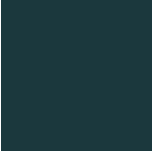
Dichromacy



Original Color
163A31

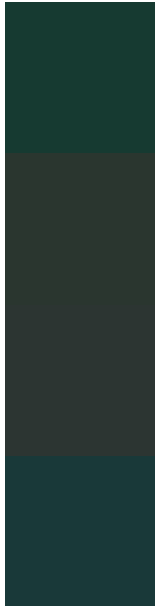
Protanopia
36342E

Deuteranopia
393233



Tritanopia
1B383D

Trichromacy



Original Color
163A31

Protanomaly
2A362F

Deuteranomaly
2C3532

Tritanomaly
193939

Monochromacy



Original Color
163A31

Achromatopsia
2E2E2E

Achromatomaly
25322F

CSS Examples

Text

The CSS property to change the color of the text to Hex 163A31 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 #163A31 looks like.

```
.text, #text, p{  
    color:#163A31  
}
```

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 #163A31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #163A31
}
```

Border

The CSS property to change the border of an element to Hex 163A31 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
#163A31 }
```

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

```
.border{ border-color:#163A31 }
```

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

Here you see how a box with a 4 pixel #163A31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #163A31; -webkit-box-shadow:4px 4px  
4px 4px #163A31; box-shadow:4px 4px 4px  
4px #163A31 }
```

Background

The CSS property to change the background color of an element to Hex 163A31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#163A31 }
```

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

```
.background{ background-color:#163A31 }
```

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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