

Converting Colors

Hex(163949)

Have a look what the booklet for
Hex(163949) contains.

Hex(163949)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(163949)

Conversions

Conversions Part 1

Format	Color
Hex	163949
RGB	22, 57, 73
RGB Percent	9%, 22%, 29%
CMY	0.9137, 0.7765, 0.7137
CMYK	0.70, 0.22, 0.00, 0.71
HSL	199°, 54%, 19%
HSV	199°, 70%, 29%
XYZ	2.9966, 3.5779, 6.8360
YIQ	48.3590, -25.9960, -2.4440

Conversions

Conversions Part 2

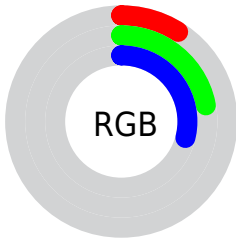
Format	Color
R _Y B	22, 43, 73
Decimal	1456457
CIE Lab	22.22, -6.80, -13.59
CIE LCh	22, 15.194, 243.405
Yxy	3.5779, 0.2235, 0.2668
Android (android.graphics.Color)	4279646537 (0xFF163949)
YUV	48.3590, 12.1480, -23.1168
Hunter-Lab	18.9153, -4.8233, -8.1868

Details

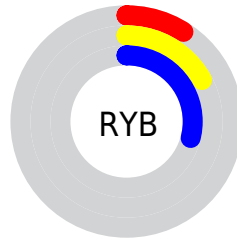
The Hex color **163949** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **492616**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **47687A**, and **000E1E** is the 20% darker color. If you saturate the color by 10%, you get **0F3749**, and if you desaturate by 10%, it is **1D3B49**.

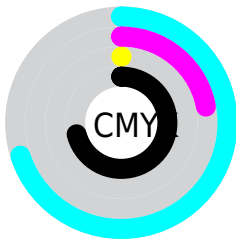
Distribution



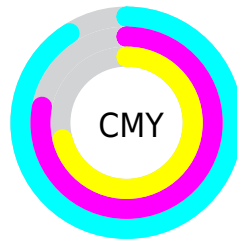
- Red (9%)
- Green (22%)
- Blue (29%)



- Red (9%)
- Yellow (17%)
- Blue (29%)



- Cyan (70%)
- Magenta (22%)
- Yellow (0%)
- Black (71%)



- Cyan (91%)
- Magenta (78%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Hex color 163949 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 163949 by changing the saturation by 10% instead.

■ 163949

■ 163949

FFFFFF

■ 002332

■ 47687A

■ 000E1E

■ 608193

■ 000000

■ 7A9BAE

■ 95B6C9

■ B0D1E6

■ CCEEFF

■ E8FFFF

■ 163949

■ 163949

■ 0F3749

■ 1D3B49

■ 073449

■ 253E49

■ 003249

■ 2C4049

■ 334249

■ 3B4449

■ 424749

■ 494949

■ 504B49

■ 584E49

Harmonies

Analogous

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



0D3B41



163949



28364B

Triad

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



163949



4B2D34



303822

Complementary

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



163949



492616

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.



3C351F



163949



4B2E29

Square

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



163949



452E3F



453121



223A2B

Rectangle

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



163949



33334A



453121



343720

Sweetspot

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



163949



4B585E



164925



242D30



B0B0B0



303030

Same Dimension

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



163949



0F455E



162049



202324



004463



009CE3

Inverse Universe

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



491639



5E0F45



493F16



242023



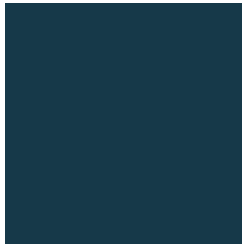
630044



E3009C

Previews

White Background



This preview shows how the Hex color 163949 looks on a white background.

Color Contrast Check

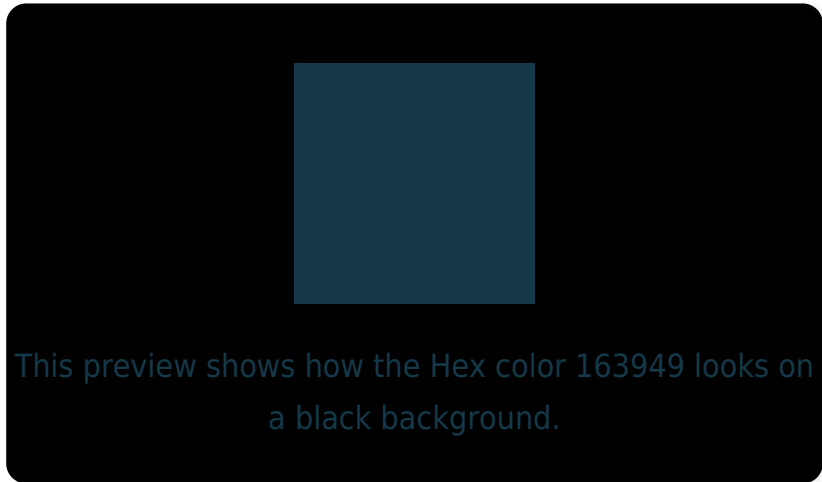
Large Text (above 18pt) WCAG AA ✓ Pass

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

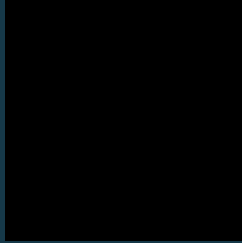
Any Text WCAG AA × Fail

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 163949 Background



This preview shows how black text looks on a background with the Hex color 163949.



This preview shows how white text looks on a background with the Hex color 163949.

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

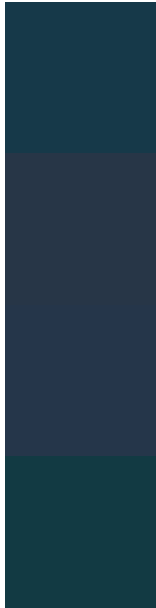


Original Color
163949

Protanopia
313546

Deuteranopia
2E354A

Trichromacy



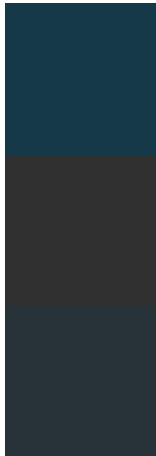
Original Color
163949

Protanomaly
273647

Deuteranomaly
25364A

Tritanomaly
123A43

Monochromacy



Original Color
163949

Achromatopsia
303030

Achromatomaly
273339

CSS Examples

Text

The CSS property to change the color of the text to Hex 163949 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 #163949 looks like.

```
.text, #text, p{  
    color:#163949  
}
```

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 #163949 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #163949
}
```

Border

The CSS property to change the border of an element to Hex 163949 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
#163949 }
```

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

```
.border{ border-color:#163949 }
```

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

Here you see how a box with a 4 pixel #163949 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #163949; -webkit-box-shadow:4px 4px  
4px 4px #163949; box-shadow:4px 4px 4px  
4px #163949 }
```

Background

The CSS property to change the background color of an element to Hex 163949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#163949 }
```

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

```
.background{ background-color:#163949 }
```

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