

Converting Colors

Hex(163336)

Have a look what the booklet for
Hex(163336) contains.

Hex(163336)	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(163336)

Conversions

Conversions Part 1

Format	Color
Hex	163336
RGB	22, 51, 54
RGB Percent	9%, 20%, 21%
CMY	0.9137, 0.8000, 0.7882
CMYK	0.59, 0.06, 0.00, 0.79
HSL	186°, 42%, 15%
HSV	186°, 59%, 21%
XYZ	2.1806, 2.8046, 3.9164
YIQ	42.6710, -18.2470, -5.2150

Conversions

Conversions Part 2

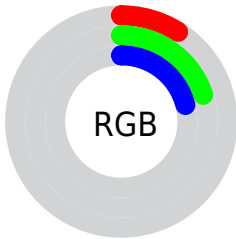
Format	Color
R_{YB}	22, 37, 54
Decimal	1454902
CIE _{Lab}	19.24, -9.84, -5.25
CIE _{LCh}	19, 11.154, 208.108
Yxy	2.8046, 0.2450, 0.3151
Android (android.graphics.Color)	4279644982 (0xFF163336)
YUV	42.6710, 5.5852, -18.1285
Hunter-Lab	16.7468, -6.0650, -2.1428

Details

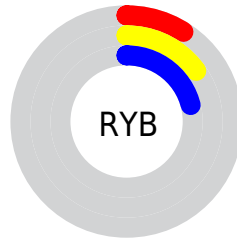
The Hex color **163336** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **361916**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **446165**, and **00000A** is the 20% darker color. If you saturate the color by 10%, you get **113236**, and if you desaturate by 10%, it is **1B3436**.

Distribution



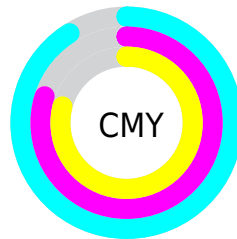
- Red (9%)
- Green (20%)
- Blue (21%)



- Red (9%)
- Yellow (15%)
- Blue (21%)



- Cyan (59%)
- Magenta (6%)
- Yellow (0%)
- Black (79%)



- Cyan (91%)
- Magenta (80%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Hex color 163336 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 163336 by changing the saturation by 10% instead.

■ 163336

■ 163336

FFFFFF

■ 001E21

■ 446165

■ 00000A

■ 5C7A7E

■ 000000

■ 769497

■ 90AFB2

■ AACACE

■ C6E6EA

■ E2FFFF

■ 163336

■ 163336

■ 113236

■ 1B3436

■ 0B3236

■ 213436

■ 063136

■ 263536

■ 003136

■ 2C3536

■ 313636

■ 363636

■ 3C3736

■ 413736

■ 473836

Harmonies

Analogous

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



1B332E



163336



1A323C

Triad

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



163336



392A37



352E1F

Complementary

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



163336



361916

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.



3C2B21



163336



3E292F

Square

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



163336



2F2D3D



3F2927



2C3020

Rectangle

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



163336



20303E



3F2927



372D1F

Sweetspot

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



163336



3B4647



163619



1C2324



A3A3A3



242424

Same Dimension

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



163336



154347



162336



191C1C



00535C



00C7DB

Inverse Universe

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



361633



471543



362916



1C191C



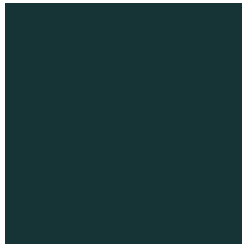
5C0053



DB00C7

Previews

White Background



This preview shows how the Hex color 163336 looks on a white background.

Color Contrast Check

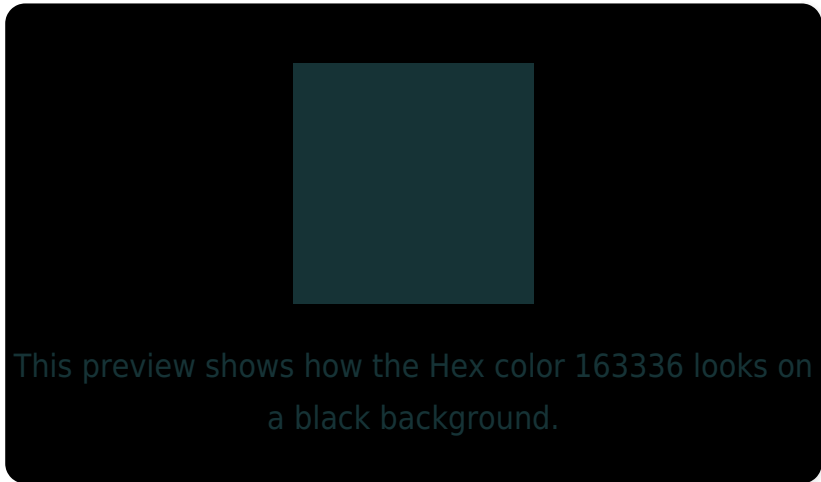
Large Text (above 18pt) WCAG AA ✓ Pass

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

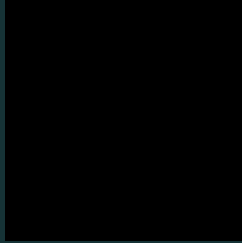
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

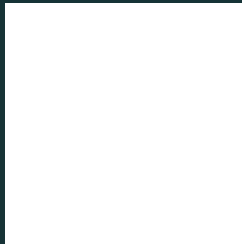
Any Text WCAG AAA × Fail

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

Hex 163336 Background



This preview shows how black text looks on a background with the Hex color 163336.



This preview shows how white text looks on a background with the Hex color 163336.

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](#).

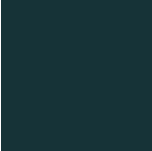
Dichromacy



Original Color
163336

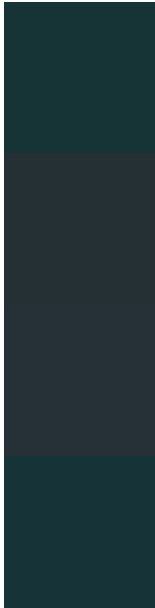
Protanopia
2E2E33

Deuteranopia
2F2E37



Tritanopia
163337

Trichromacy



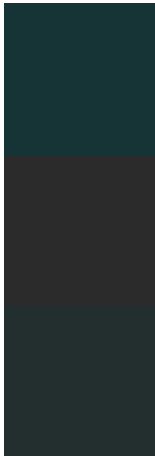
Original Color
163336

Protanomaly
253034

Deuteranomaly
263037

Tritanomaly
163337

Monochromacy



Original Color
163336

Achromatopsia
2B2B2B

Achromatomaly
232E2F

CSS Examples

Text

The CSS property to change the color of the text to Hex 163336 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 #163336 looks like.

```
.text, #text, p{  
    color:#163336  
}
```

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 #163336 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #163336
}
```

Border

The CSS property to change the border of an element to Hex 163336 is called "border". The border property can be set on classes, ids or directly on the HTML element.

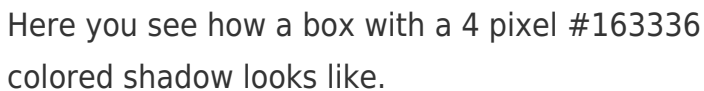
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#163336 }
```

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

```
.border{ border-color:#163336 }
```

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



Here you see how a box with a 4 pixel #163336 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #163336; -webkit-box-shadow:4px 4px  
4px 4px #163336; box-shadow:4px 4px 4px  
4px #163336 }
```

Background

The CSS property to change the background color of an element to Hex 163336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#163336 }
```

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

```
.background{ background-color:#163336 }
```

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