

Converting Colors

Hex(123E49)

Have a look what the booklet for
Hex(123E49) contains.

Hex(123E49)	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(123E49)

Conversions

Conversions Part 1

Format	Color
Hex	123E49
RGB	18, 62, 73
RGB Percent	7%, 24%, 29%
CMY	0.9294, 0.7569, 0.7137
CMYK	0.75, 0.15, 0.00, 0.71
HSL	192°, 60%, 18%
HSV	192°, 75%, 29%
XYZ	3.1747, 4.0549, 6.9187
YIQ	50.0980, -29.7550, -5.9070

Conversions

Conversions Part 2

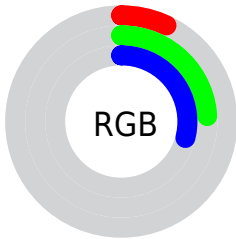
Format	Color
R_{YB}	18, 42, 73
Decimal	1195593
CIE _{Lab}	23.85, -10.75, -11.10
CIE _{LCh}	24, 15.453, 225.908
Yxy	4.0549, 0.2244, 0.2866
Android (android.graphics.Color)	4279385673 (0xFF123E49)
YUV	50.0980, 11.2907, -28.1499
Hunter-Lab	20.1367, -7.0977, -6.2754

Details

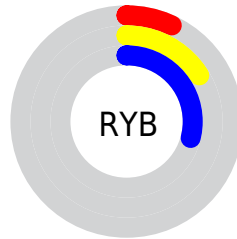
The Hex color **123E49** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **491D12**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **456E7A**, and **00141D** is the 20% darker color. If you saturate the color by 10%, you get **0B3D49**, and if you desaturate by 10%, it is **193F49**.

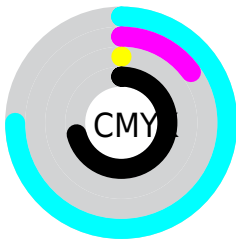
Distribution



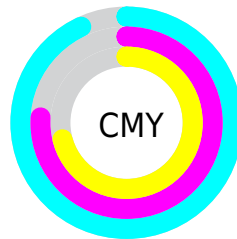
- Red (7%)
- Green (24%)
- Blue (29%)



- Red (7%)
- Yellow (16%)
- Blue (29%)



- Cyan (75%)
- Magenta (15%)
- Yellow (0%)
- Black (71%)



- Cyan (93%)
- Magenta (76%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Hex color 123E49 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 123E49 by changing the saturation by 10% instead.

■ 123E49

■ 123E49

FFFFFF

■ 002832

■ 456E7A

■ 00141D

■ 5E8793

■ 000001

■ 78A1AE

■ 000000

■ 93BCC9

■ AED8E5

■ CAF4FF

■ E6FFFF

■ 123E49

■ 123E49

■ 0B3D49

■ 193F49

■ 033B49

■ 214149

■ 003A49

■ 284249

■ 2F4449

■ 364549

■ 3E4749

■ 454849

■ 4C4A49

■ 544B49

Harmonies

Analogous

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



133F3F



123E49



203B4F

Triad

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



123E49



4C313F



3A3A22

Complementary

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



123E49



491D12

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.



463622



123E49



503033

Square

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



123E49



423449



4D3229



2D3D28

Rectangle

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



123E49



2D3950



4D3229



3E3922

Sweetspot

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



123E49



495A5E



12491D



232E30



B0B0B0



303030

Same Dimension

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



123E49



094D5E



122249



202324



005063



00B6E3

Inverse Universe

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



49123E



5E094D



493912



242023



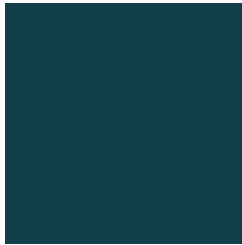
630050



E300B6

Previews

White Background



This preview shows how the Hex color 123E49 looks on a white background.

Color Contrast Check

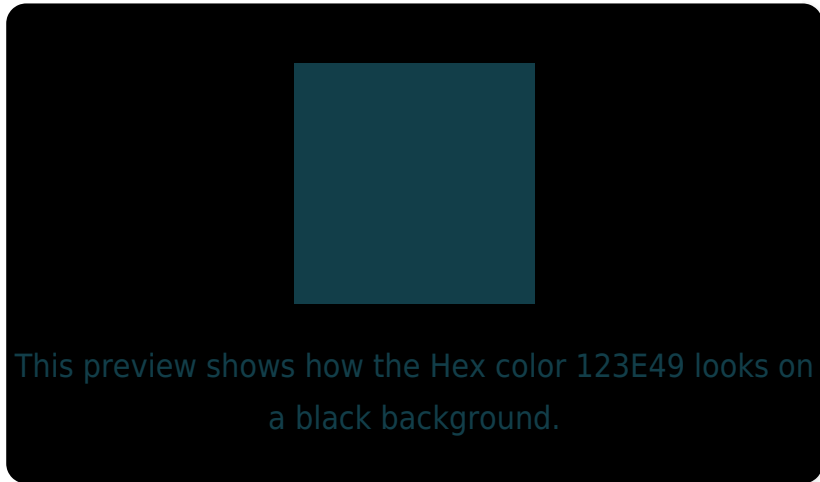
Large Text (above 18pt) WCAG AA ✓ Pass

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

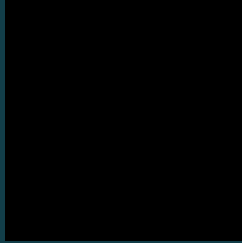
Any Text WCAG AA × Fail

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 123E49 Background



This preview shows how black text looks on a background with the Hex color 123E49.



This preview shows how white text looks on a background with the Hex color 123E49.

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
123E49

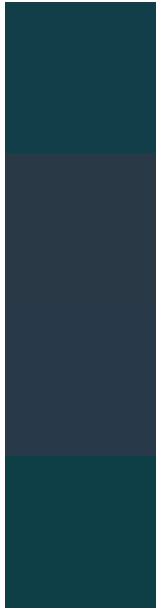
Protanopia
363845

Deuteranopia
35384A



Tritanopia
0E3F44

Trichromacy



Original Color
123E49

Protanomaly
293A46

Deuteranomaly
283A4A

Tritanomaly
0F3F46

Monochromacy



Original Color
123E49

Achromatopsia
323232

Achromatomaly
26363A

CSS Examples

Text

The CSS property to change the color of the text to Hex 123E49 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 #123E49 looks like.

```
.text, #text, p{  
    color:#123E49  
}
```

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 #123E49 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #123E49
}
```

Border

The CSS property to change the border of an element to Hex 123E49 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
#123E49 }
```

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

```
.border{ border-color:#123E49 }
```

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

Here you see how a box with a 4 pixel #123E49 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #123E49; -webkit-box-shadow:4px 4px  
4px 4px #123E49; box-shadow:4px 4px 4px  
4px #123E49 }
```

Background

The CSS property to change the background color of an element to Hex 123E49 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#123E49 }
```

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

```
.background{ background-color:#123E49 }
```

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