

# Converting Colors

Hex(13303F)

Have a look what the booklet for  
Hex(13303F) contains.

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# Color

**Hex(13303F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13303F
RGB	19, 48, 63
RGB Percent	7%, 19%, 25%
CMY	0.9255, 0.8118, 0.7529
CMYK	0.70, 0.24, 0.00, 0.75
HSL	200°, 54%, 16%
HSV	200°, 70%, 25%
XYZ	2.2227, 2.6112, 5.0895
YIQ	41.0390, -22.0990, -1.4830

# Conversions

## Conversions Part 2

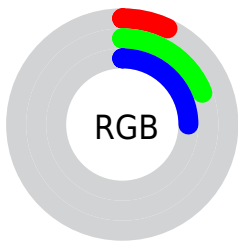
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 36, 63
Decimal	1257535
CIELab	18.41, -5.35, -12.71
CIElCh	18, 13.791, 247.154
Yxy	2.6112, 0.2240, 0.2631
Android (android.graphics.Color)	4279447615 (0xFF13303F)
YUV	41.0390, 10.8268, -19.3282
Hunter-Lab	16.1593, -3.7261, -7.3623

# Details

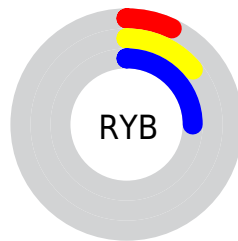
The Hex color **13303F** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3F2213**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **435E6F**, and **000115** is the 20% darker color. If you saturate the color by 10%, you get **0D2E3F**, and if you desaturate by 10%, it is **19323F**.

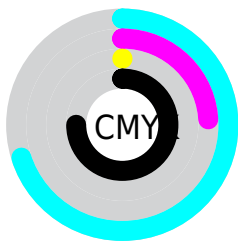
# Distribution



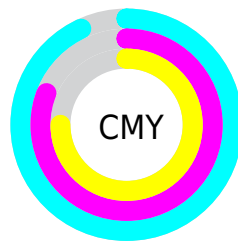
- Red (7%)
- Green (19%)
- Blue (25%)



- Red (7%)
- Yellow (14%)
- Blue (25%)



- Cyan (70%)
- Magenta (24%)
- Yellow (0%)
- Black (75%)



- Cyan (93%)
- Magenta (81%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 13303F 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 13303F by changing the saturation by 10% instead.



■ 13303F

■ 13303F

FEFFFF

■ 001B29

■ 435E6F

■ 000115

■ 5B7788

■ 000000

■ 7590A2

■ 8FABBD

■ AAC6D9

■ C5E2F6

■ E2FFFF

■ 13303F

■ 13303F

■ 0D2E3F

■ 19323F

■ 062C3F

■ 20343F

■ 002A3F

■ 26363F

■ 2C393F

■ 333B3F

■ 393D3F

■ 3F3F3F

■ 45413F

■ 4C433F

# Harmonies

## Analogous

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



093239



13303F



232D41

# Triad

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



13303F



40252B



26301D

# Complementary

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



13303F



3F2213

# 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.



312D19



13303F



402721

# Square

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



13303F



3B2635



3A2A1B



1B3225

# Rectangle

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



13303F



2D2B3F



3A2A1B



2A2F1B



# Sweetspot

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



13303F



404C52



133F22



1F2529



A8A8A8



292929



# Same Dimension

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



13303F



0D3A52



131A3F



1C1E1F



003E5E



0092DE



# Inverse Universe

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



3F1330



520D3A



3F3813



1F1C1E



5E003E

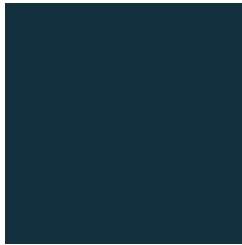


DE0092



# Previews

## White Background



This preview shows how the Hex color 13303F looks on a white background.

## Color Contrast Check

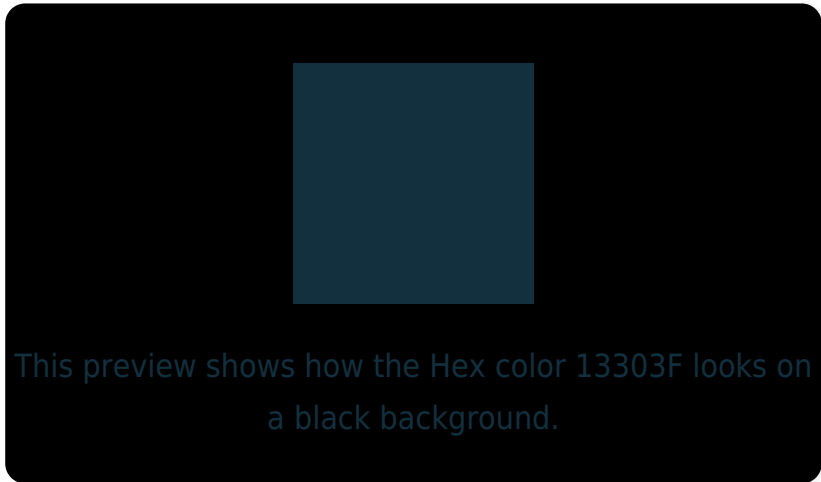
Large Text (above 18pt) WCAG AA ✓ Pass

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

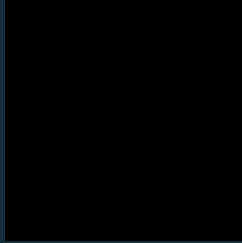
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

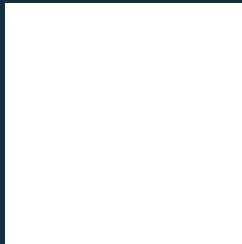
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 13303F Background



This preview shows how black text looks on a background with the Hex color 13303F.



This preview shows how white text looks on a background with the Hex color 13303F.

# 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**  
13303F

**Protanopia**  
282C3C

**Deuteranopia**  
262D40



**Tritanopia**  
0C3236

# Trichromacy



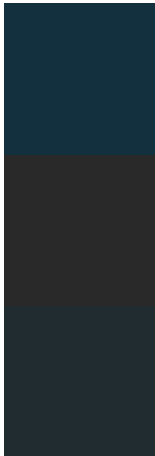
**Original Color**  
13303F

**Protanomaly**  
202D3D

**Deuteranomaly**  
1F2E40

**Tritanomaly**  
0F3139

# Monochromacy



**Original Color**  
13303F

**Achromatopsia**  
292929

**Achromatomaly**  
212C31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 13303F 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 #13303F looks like.

```
.text, #text, p{  
    color:#13303F  
}
```

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 #13303F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #13303F
}
```

## Border

The CSS property to change the border of an element to Hex 13303F 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
#13303F }
```

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

```
.border{ border-color:#13303F }
```

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

Here you see how a box with a 4 pixel #13303F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #13303F; -webkit-box-shadow:4px 4px  
4px 4px #13303F; box-shadow:4px 4px 4px  
4px #13303F }
```

# Background

The CSS property to change the background color of an element to Hex 13303F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#13303F }
```

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

```
.background{ background-color:#13303F }
```

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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