

# Converting Colors

Hex(21435E)

Have a look what the booklet for  
Hex(21435E) contains.

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# Color

**Hex(21435E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21435E
RGB	33, 67, 94
RGB Percent	13%, 26%, 37%
CMY	0.8706, 0.7373, 0.6314
CMYK	0.65, 0.29, 0.00, 0.63
HSL	207°, 48%, 25%
HSV	207°, 65%, 37%
XYZ	4.6547, 5.1458, 11.3376
YIQ	59.9120, -28.9310, 1.1890

# Conversions

## Conversions Part 2

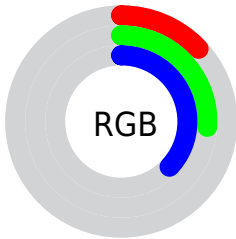
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 55, 94
Decimal	2179934
CIE Lab	27.15, -3.04, -19.70
CIE LCh	27, 19.935, 261.219
Yxy	5.1458, 0.2202, 0.2434
Android (android.graphics.Color)	4280370014 (0xFF21435E)
YUV	59.9120, 16.8054, -23.6018
Hunter-Lab	22.6843, -3.0701, -13.7540

# Details

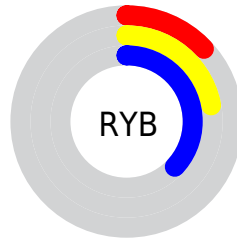
The Hex color **21435E** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **5E3C21**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **547391**, and **001930** is the 20% darker color. If you saturate the color by 10%, you get **183F5E**, and if you desaturate by 10%, it is **2A475E**.

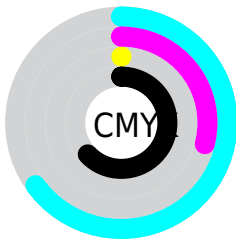
# Distribution



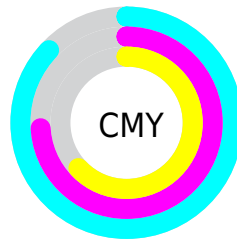
- Red (13%)
- Green (26%)
- Blue (37%)



- Red (13%)
- Yellow (22%)
- Blue (37%)



- Cyan (65%)
- Magenta (29%)
- Yellow (0%)
- Black (63%)



- Cyan (87%)
- Magenta (74%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21435E 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 21435E by changing the saturation by 10% instead.



■ 21435E

■ 21435E

FFFFFF

■ 022D46

■ 547391

■ 001930

■ 6D8CAB

■ 00011B

■ 88A7C6

■ 000000

■ A3C2E3

■ BEDEFF

■ DBFAFF

■ F8FFFF

■ 21435E

■ 21435E

■ 183F5E

■ 2A475E

■ 0E3B5E

■ 344B5E

■ 05375E

■ 3D4F5E

■ 00345E

■ 47545E

■ 50585E

■ 595C5E

■ 63605E

■ 6C645E

■ 76685E

# Harmonies

## Analogous

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



014757



21435E



3B3E5C

# Triad

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



21435E



5E3536



2E462D

# Complementary

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



21435E



5E3C21

# 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.



3F4323



21435E



593829

# Square

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



21435E



5B3545



4E3E22



19483B

# Rectangle

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



21435E



493A57



4E3E22



344529



# Sweetspot

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



21435E



63707A



215E3B



2F373D



BDBDBD



3D3D3D



# Same Dimension

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



21435E



1B507A



21255E



292C2E



003D6E



0084ED



# Inverse Universe

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



5E2143



7A1B50



5E5A21



2E292C



6E003D

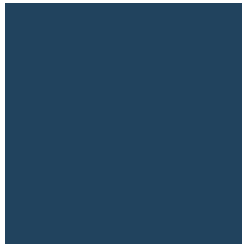


ED0084



# Previews

## White Background



This preview shows how the Hex color 21435E looks on a white background.

## Color Contrast Check

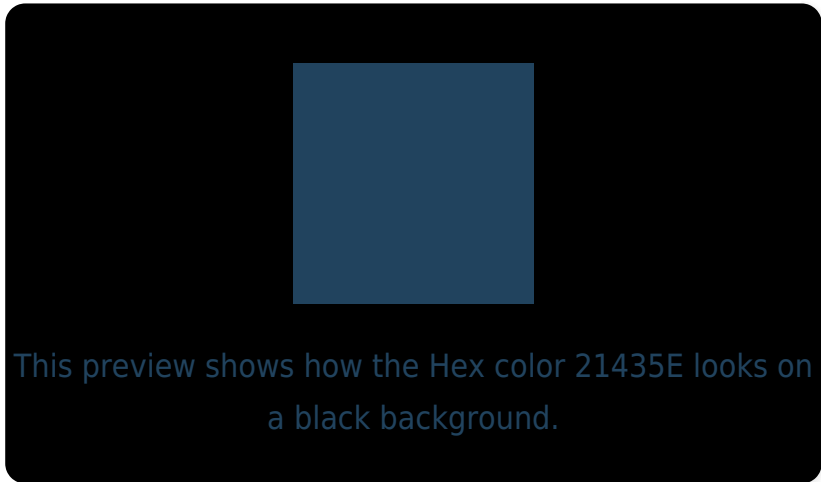
Large Text (above 18pt) WCAG AA ✓ Pass

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

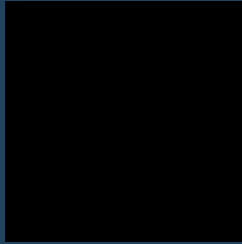
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 21435E Background



This preview shows how black text looks on a background with the Hex color 21435E.



This preview shows how white text looks on a background with the Hex color 21435E.

# 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](#).

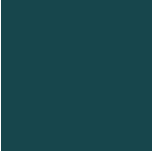
## Dichromacy



**Original Color**  
21435E

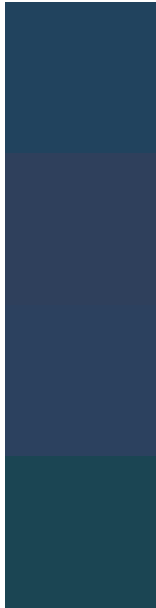
**Protanopia**  
373F5B

**Deuteranopia**  
33405F



**Tritanopia**  
17464C

# Trichromacy



**Original Color**  
21435E

**Protanomaly**  
2F405C

**Deuteranomaly**  
2C415F

**Tritanomaly**  
1B4553

# Monochromacy



**Original Color**  
21435E

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
323F48

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21435E 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 #21435E looks like.

```
.text, #text, p{  
    color:#21435E  
}
```

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 #21435E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21435E
}
```

## Border

The CSS property to change the border of an element to Hex 21435E is called "border". The border property can be set on classes, ids or directly on the HTML element.

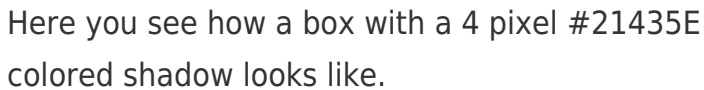
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#21435E }
```

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

```
.border{ border-color:#21435E }
```

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



Here you see how a box with a 4 pixel #21435E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21435E; -webkit-box-shadow:4px 4px  
4px 4px #21435E; box-shadow:4px 4px 4px  
4px #21435E }
```

# Background

The CSS property to change the background color of an element to Hex 21435E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21435E }
```

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

```
.background{ background-color:#21435E }
```

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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