

# Converting Colors

Hex(24475B)

Have a look what the booklet for  
Hex(24475B) contains.

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# Color

Hex(24475B)

# Conversions

## Conversions Part 1

Format	Color
Hex	24475B
RGB	36, 71, 91
RGB Percent	14%, 28%, 36%
CMY	0.8588, 0.7216, 0.6431
CMYK	0.60, 0.22, 0.00, 0.64
HSL	202°, 43%, 25%
HSV	202°, 60%, 36%
XYZ	4.8691, 5.6369, 10.7289
YIQ	62.8150, -27.2800, -1.2000

# Conversions

## Conversions Part 2

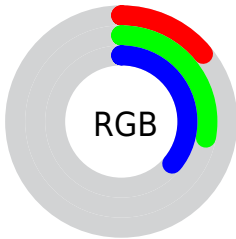
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 57, 91
Decimal	2377563
CIELab	28.48, -6.01, -15.69
CIELCh	28, 16.805, 249.030
Yxy	5.6369, 0.2293, 0.2655
Android (android.graphics.Color)	4280567643 (0xFF24475B)
YUV	62.8150, 13.8952, -23.5168
Hunter-Lab	23.7421, -4.9412, -10.1733

# Details

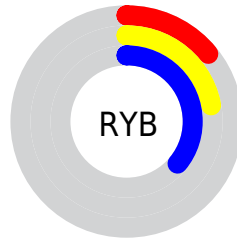
The Hex color **24475B** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5B3824**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **56778D**, and **001C2D** is the 20% darker color. If you saturate the color by 10%, you get **1B445B**, and if you desaturate by 10%, it is **2D4A5B**.

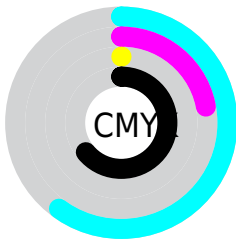
# Distribution



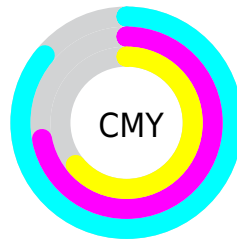
- Red (14%)
- Green (28%)
- Blue (36%)



- Red (14%)
- Yellow (22%)
- Blue (36%)



- Cyan (60%)
- Magenta (22%)
- Yellow (0%)
- Black (64%)



- Cyan (86%)
- Magenta (72%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24475B 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 24475B by changing the saturation by 10% instead.



■ 24475B

■ 24475B

FFFFFF

■ 083143

■ 56778D

■ 001C2D

■ 6F91A8

■ 000119

■ 8AABC3

■ 000000

■ A5C7DF

■ C0E3FB

■ DDFFFF

■ F9FFFF

■ 24475B

■ 24475B

■ 1B445B

■ 2D4A5B

■ 12405B

■ 364E5B

■ 093D5B

■ 3F515B

■ 003A5B

■ 48545B

■ 52585B

■ 5B5B5B

■ 645E5B

■ 6D615B

■ 76655B

# Harmonies

## Analogous

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



174953



24475B



38435D

# Triad

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



24475B



5D3940



3A472F

# Complementary

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



24475B



5B3824

# 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.



484429



24475B



5B3B33

# Square

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



24475B



573B4D



543F2B



2B4A39

# Rectangle

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



24475B



44405A



543F2B



3F462C



# Sweetspot

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



24475B



606E75



245B37



2E363B



BABABA



3B3B3B



# Same Dimension

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



24475B



205675



242C5B



292C2E



00466E



0097ED



# Inverse Universe

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



5B2447



752056



5B5324



2E292C



6E0046

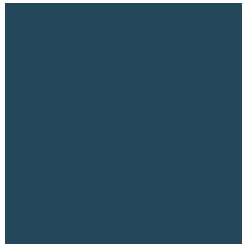


ED0097



# Previews

## White Background



This preview shows how the Hex color 24475B looks on a white background.

## Color Contrast Check

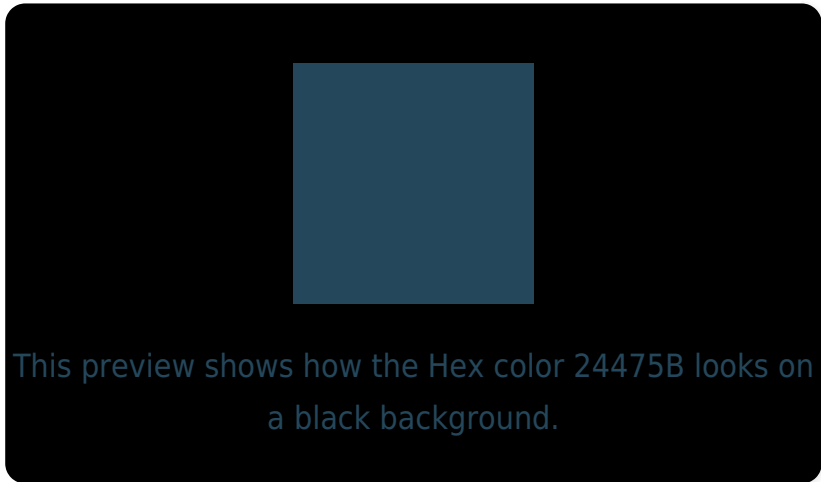
Large Text (above 18pt) WCAG AA ✓ Pass

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

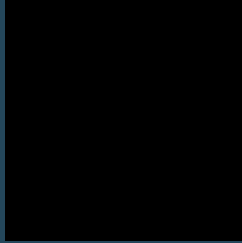
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 24475B Background



This preview shows how black text looks on a background with the Hex color 24475B.



This preview shows how white text looks on a background with the Hex color 24475B.

# 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](#).

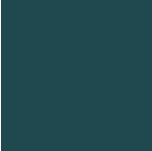
## Dichromacy



**Original Color**  
24475B

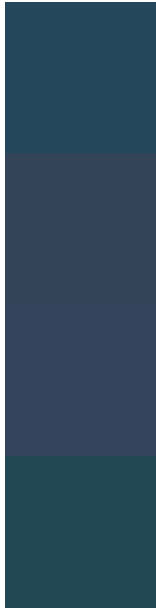
**Protanopia**  
3D4257

**Deuteranopia**  
3B425C



**Tritanopia**  
1F494F

# Trichromacy



**Original Color**  
24475B

**Protanomaly**  
344458

**Deuteranomaly**  
33445C

**Tritanomaly**  
214853

# Monochromacy



**Original Color**  
24475B

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
354249

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24475B 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 #24475B looks like.

```
.text, #text, p{  
    color:#24475B  
}
```

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 #24475B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24475B
}
```

## Border

The CSS property to change the border of an element to Hex 24475B is called "border". The border property can be set on classes, ids or directly on the HTML element.

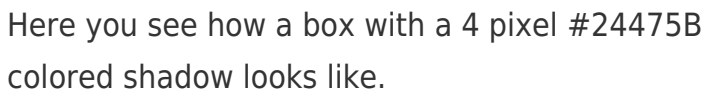
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#24475B }
```

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

```
.border{ border-color:#24475B }
```

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



Here you see how a box with a 4 pixel #24475B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24475B; -webkit-box-shadow:4px 4px  
4px 4px #24475B; box-shadow:4px 4px 4px  
4px #24475B }
```

# Background

The CSS property to change the background color of an element to Hex 24475B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24475B }
```

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

```
.background{ background-color:#24475B }
```

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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