

Converting Colors

Hex(234875)

Have a look what the booklet for
Hex(234875) contains.

Hex(234875)	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(234875)

Conversions

Conversions Part 1

Format	Color
Hex	234875
RGB	35, 72, 117
RGB Percent	14%, 28%, 46%
CMY	0.8627, 0.7176, 0.5412
CMYK	0.70, 0.38, 0.00, 0.54
HSL	213°, 54%, 30%
HSV	213°, 70%, 46%
XYZ	6.2214, 6.2764, 17.7132
YIQ	66.0670, -36.4970, 6.1510

Conversions

Conversions Part 2

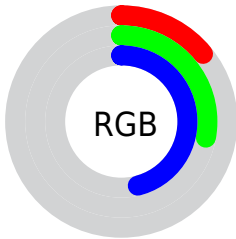
Format	Color
R_{YB}	35, 60, 117
Decimal	2312309
CIE _{Lab}	30.10, 2.80, -29.70
CIE _{LCh}	30, 29.830, 275.388
Yxy	6.2764, 0.2059, 0.2078
Android (android.graphics.Color)	4280502389 (0xFF234875)
YUV	66.0670, 25.1100, -27.2458
Hunter-Lab	25.0528, 0.4848, -24.3832

Details

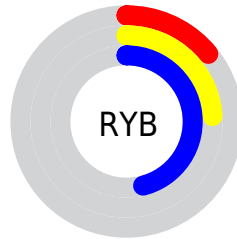
The Hex color **234875** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **755023**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **5A78A9**, and **001D44** is the 20% darker color. If you saturate the color by 10%, you get **174275**, and if you desaturate by 10%, it is **2F4E75**.

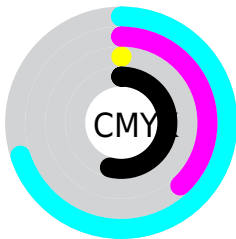
Distribution



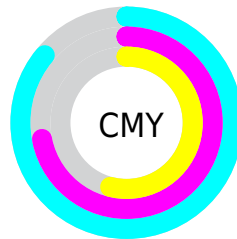
- Red (14%)
- Green (28%)
- Blue (46%)



- Red (14%)
- Yellow (24%)
- Blue (46%)



- Cyan (70%)
- Magenta (38%)
- Yellow (0%)
- Black (54%)



- Cyan (86%)
- Magenta (72%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Hex color 234875 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 234875 by changing the saturation by 10% instead.

■ 234875

■ 234875

FFFFFF

■ 00325C

■ 5A78A9

■ 001D44

■ 7492C5

■ 00022E

■ 8FACE1

■ 000118

■ ABC8FE

■ 000000

■ C7E3FF

■ E4FFFF

■ 234875

■ 234875

■ 174275

■ 2F4E75

■ 0C3B75

■ 3A5575

■ 003575

■ 465B75

■ 526275

■ 5E6875

■ 696F75

■ 757575

■ 817B75

■ 8C8275

Harmonies

Analogous

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



004E71



234875



4E3F6D

Triad

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



234875



70362D



155133

Complementary

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



234875



755023

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.



384D1F



234875



633F1C

Square

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



234875



713244



504716



00524A

Rectangle

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



234875



603962



504716



23502B

Sweetspot

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



234875



798799



23754F



39424D



CCCCCC



4D4D4D

Same Dimension

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



234875



185299



262375



35373B



00377A



0071FA

Inverse Universe

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



752348



991852



727523



3B3537



7A0037



FA0071

Previews

White Background



This preview shows how the Hex color 234875 looks on a white background.

Color Contrast Check

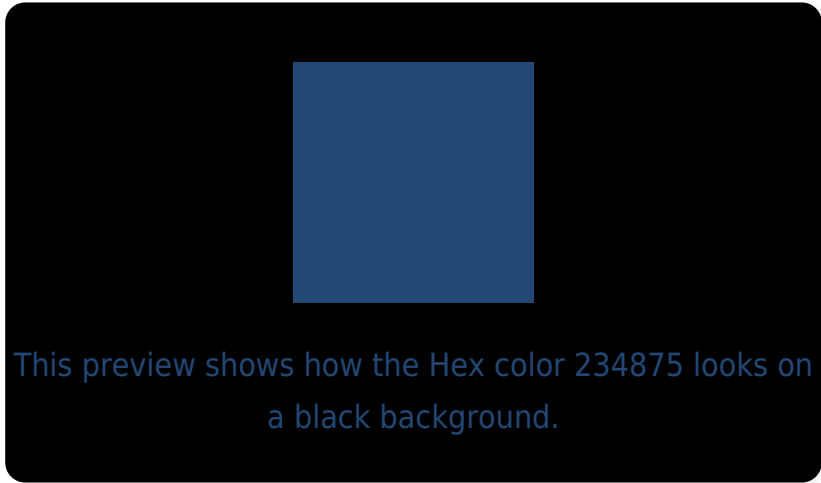
Large Text (above 18pt) WCAG AA ✓ Pass

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 234875 Background



This preview shows how black text looks on a background with the Hex color 234875.



This preview shows how white text looks on a background with the Hex color 234875.

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
234875

Protanopia
354572

Deuteranopia
284775



Tritanopia
004F55

Trichromacy



Original Color
234875

Protanomaly
2E4673

Deuteranomaly
264775

Tritanomaly
0D4C61

Monochromacy



Original Color
234875

Achromatopsia
424242

Achromatomaly
374455

CSS Examples

Text

The CSS property to change the color of the text to Hex 234875 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 #234875 looks like.

```
.text, #text, p{  
    color:#234875  
}
```

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 #234875 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #234875
}
```

Border

The CSS property to change the border of an element to Hex 234875 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
#234875 }
```

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

```
.border{ border-color:#234875 }
```

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

Here you see how a box with a 4 pixel #234875 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #234875; -webkit-box-shadow:4px 4px  
4px 4px #234875; box-shadow:4px 4px 4px  
4px #234875 }
```

Background

The CSS property to change the background color of an element to Hex 234875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#234875 }
```

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

```
.background{ background-color:#234875 }
```

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