

Converting Colors

Hex(412557)

Have a look what the booklet for
Hex(412557) contains.

Hex(412557)	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(412557)

Conversions

Conversions Part 1

Format	Color
Hex	412557
RGB	65, 37, 87
RGB Percent	25%, 15%, 34%
CMY	0.7451, 0.8549, 0.6588
CMYK	0.25, 0.57, 0.00, 0.66
HSL	274°, 40%, 24%
HSV	274°, 57%, 34%
XYZ	4.5618, 3.1351, 9.3815
YIQ	51.0720, 0.6380, 21.4860

Conversions

Conversions Part 2

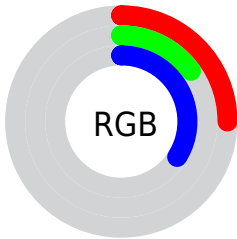
Format	Color
RYB	65, 37, 87
Decimal	4269399
CIELab	20.58, 24.05, -25.27
CIELCh	21, 34.885, 313.578
Yxy	3.1351, 0.2671, 0.1836
Android (android.graphics.Color)	4282459479 (0xFF412557)
YUV	51.0720, 17.7125, 12.2149
Hunter-Lab	17.7061, 15.0033, -19.0202

Details

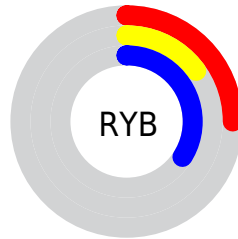
The Hex color **412557** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **3B5725**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **725389**, and **18002A** is the 20% darker color. If you saturate the color by 10%, you get **3D1C57**, and if you desaturate by 10%, it is **452E57**.

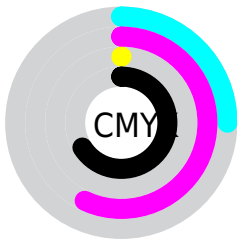
Distribution



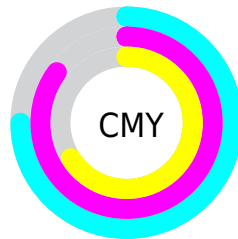
- Red (25%)
- Green (15%)
- Blue (34%)



- Red (25%)
- Yellow (15%)
- Blue (34%)



- Cyan (25%)
- Magenta (57%)
- Yellow (0%)
- Black (66%)



- Cyan (75%)
- Magenta (85%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Hex color 412557 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 412557 by changing the saturation by 10% instead.

■ 412557

■ 412557

FFFFFF

■ 2A0F3F

■ 725389

■ 18002A

■ 8C6CA4

■ 000113

■ A785BF

■ 000000

■ C39FDB

■ DFBAF7

■ FCD6FF

■ FFF3FF

■ 412557

■ 412557

■ 3D1C57

■ 452E57

■ 391457

■ 493657

■ 360B57

■ 4C3F57

■ 320257

■ 504857

■ 310057

■ 545157

■ 585957

■ 5C6257

■ 606B57

■ 637357

Harmonies

Analogous

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



083164



412557



581941

Triad

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



412557



492B00



003D3D

Complementary

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



412557



3B5725

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.



003C22



412557



333400

Square

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



412557



581F0F



143907



003C54

Rectangle

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



412557



5E1530



143907



003D34

Sweetspot

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



412557



685D70



253C57



332D38



B8B8B8



383838

Same Dimension

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



412557



4E2370



572555



29272B



3C006B



8300EB

Inverse Universe

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



57253B



702345



255727



2B2729



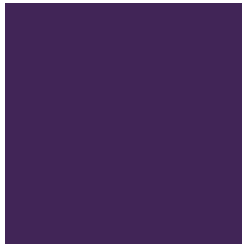
6B002F



EB0067

Previews

White Background



This preview shows how the Hex color 412557 looks on a white background.

Color Contrast Check

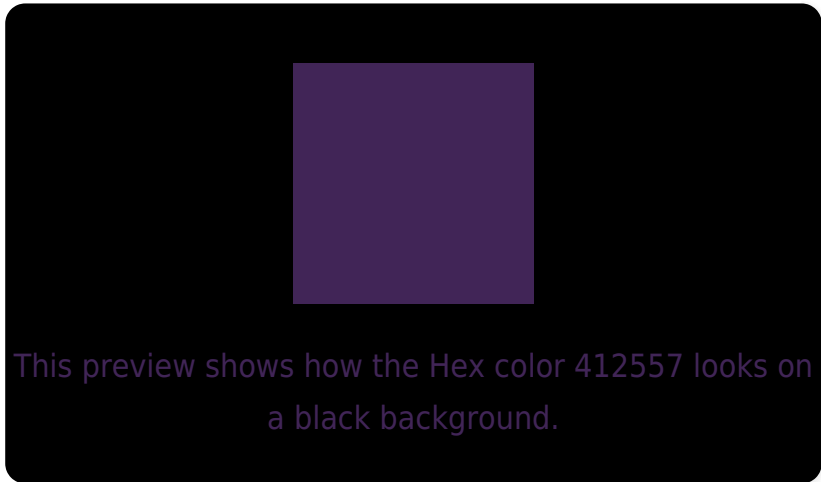
Large Text (above 18pt) WCAG AA ✓ Pass

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

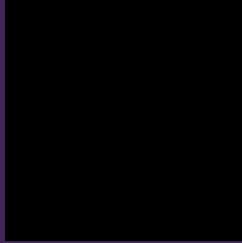
Any Text WCAG AA × Fail

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 412557 Background



This preview shows how black text looks on a background with the Hex color 412557.



This preview shows how white text looks on a background with the Hex color 412557.

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
412557

Protanopia
133063

Deuteranopia
1A3254



Tritanopia
3B2F32

Trichromacy



Original Color
412557

Protanomaly
242C5F

Deuteranomaly
282D55

Tritanomaly
3D2B3F

Monochromacy



Original Color
412557

Achromatopsia
333333

Achromatomaly
382E40

CSS Examples

Text

The CSS property to change the color of the text to Hex 412557 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 #412557 looks like.

```
.text, #text, p{  
    color:#412557  
}
```

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 #412557 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #412557
}
```

Border

The CSS property to change the border of an element to Hex 412557 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".

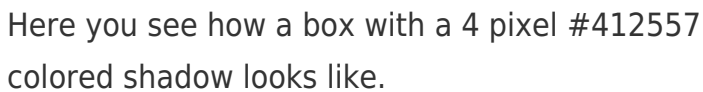
```
.border, #border, table{ border:4px solid
#412557 }
```

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

```
.border{ border-color:#412557 }
```

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

Here you see how a box with a 4 pixel #412557 colored shadow looks like.

A rectangular box with a dark purple border and a dark purple shadow. The box is white with a thin dark purple border on the top and left sides, and a thicker dark purple shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #412557; -webkit-box-shadow:4px 4px  
4px 4px #412557; box-shadow:4px 4px 4px  
4px #412557 }
```

Background

The CSS property to change the background color of an element to Hex 412557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#412557 }
```

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

```
.background{ background-color:#412557 }
```

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