

Converting Colors

Hex(42368D)

Have a look what the booklet for
Hex(42368D) contains.

Hex(42368D)	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(42368D)

Conversions

Conversions Part 1

Format	Color
Hex	42368D
RGB	66, 54, 141
RGB Percent	26%, 21%, 55%
CMY	0.7412, 0.7882, 0.4471
CMYK	0.53, 0.62, 0.00, 0.45
HSL	248°, 45%, 38%
HSV	248°, 62%, 55%
XYZ	8.3737, 5.7197, 25.8620
YIQ	67.5060, -20.7750, 29.6010

Conversions

Conversions Part 2

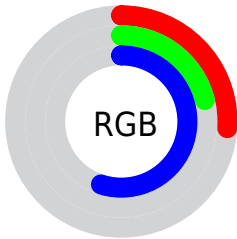
Format	Color
R _Y B	66, 54, 141
Decimal	4339341
CIE Lab	28.69, 29.84, -46.80
CIE LCh	29, 55.503, 302.518
Yxy	5.7197, 0.2096, 0.1432
Android (android.graphics.Color)	4282529421 (0xFF42368D)
YUV	67.5060, 36.2325, -1.3208
Hunter-Lab	23.9158, 20.6455, -47.3736

Details

The Hex color **42368D** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **818D36**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **7865C3**, and **000B5A** is the 20% darker color. If you saturate the color by 10%, you get **36288D**, and if you desaturate by 10%, it is **4E448D**.

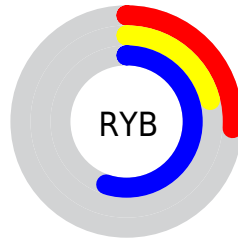
Distribution



 Red (26%)

 Green (21%)

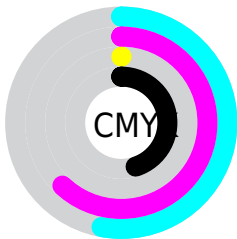
 Blue (55%)




 Red (26%)

 Yellow (21%)

 Blue (55%)

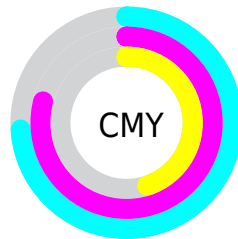



 Cyan (53%)

 Magenta (62%)

 Yellow (0%)

 Black (45%)



 Cyan (74%)

 Magenta (79%)

 Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Hex color 42368D 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 42368D by changing the saturation by 10% instead.

■ 42368D

■ 42368D

FFFFFF

■ 252073

■ 7865C3

■ 000B5A

■ 947FE0

■ 000042

■ B099FD

■ 00032B

■ CCB4FF

■ 000115

■ E9CFFF

■ 000000

■ FFE8FF

■ 42368D

■ 42368D

■ 36288D

■ 4E448D

■ 2A1A8D

■ 5A528D

■ 1E0C8D

■ 66608D

■ 13008D

■ 736E8D

■ 7F7D8D

■ 8B8B8D

■ 97998D

■ A3A78D

■ AFB58D

Harmonies

Analogous

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



00499B



42368D



78186C

Triad

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



42368D



723100



005546

Complementary

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



42368D



818D36

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.



005318



42368D



514300

Square

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



42368D



871318



244E00



005571

Rectangle

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



42368D



880050



244E00



005537

Sweetspot

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



42368D



9A95B8



36818D



4A475C



DBDBDB



5C5C5C

Same Dimension

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



42368D



4230B8



6D368D



414047



130087



010008

Inverse Universe

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



8D3681



B830A5



568D36



474046



870075



080007

Previews

White Background



This preview shows how the Hex color 42368D looks on a white background.

Color Contrast Check

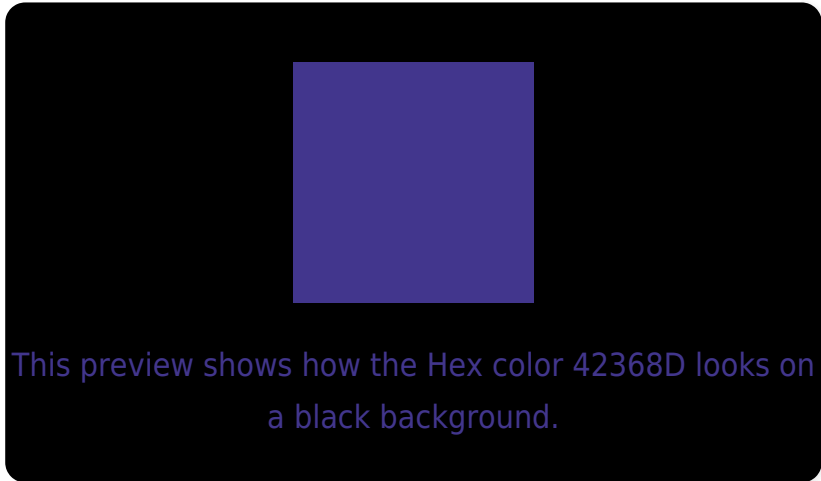
Large Text (above 18pt) WCAG AA ✓ Pass

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

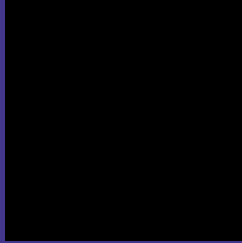
Any Text WCAG AA × Fail

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 42368D Background



This preview shows how black text looks on a background with the Hex color 42368D.



This preview shows how white text looks on a background with the Hex color 42368D.

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
42368D

Protanopia
00418B

Deuteranopia
004578



Tritanopia
2D484E

Trichromacy



Original Color
42368D

Protanomaly
183D8C

Deuteranomaly
184080

Tritanomaly
354165

Monochromacy



Original Color
42368D

Achromatopsia
444444

Achromatomaly
433F5F

CSS Examples

Text

The CSS property to change the color of the text to Hex 42368D 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 #42368D looks like.

```
.text, #text, p{  
    color:#42368D  
}
```

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 #42368D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42368D
}
```

Border

The CSS property to change the border of an element to Hex 42368D is called "border". The border property can be set on classes, ids or directly on the HTML element.

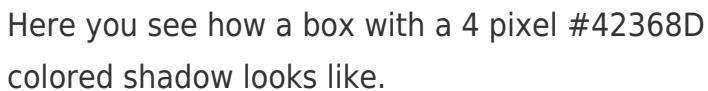
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#42368D }
```

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

```
.border{ border-color:#42368D }
```

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



Here you see how a box with a 4 pixel #42368D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42368D; -webkit-box-shadow:4px 4px  
4px 4px #42368D; box-shadow:4px 4px 4px  
4px #42368D }
```

Background

The CSS property to change the background color of an element to Hex 42368D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42368D }
```

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

```
.background{ background-color:#42368D }
```

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