

Converting Colors

Hex(42568A)

Have a look what the booklet for
Hex(42568A) contains.

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Color

Hex(42568A)

Conversions

Conversions Part 1

Format	Color
Hex	42568A
RGB	66, 86, 138
RGB Percent	26%, 34%, 54%
CMY	0.7412, 0.6627, 0.4588
CMYK	0.52, 0.38, 0.00, 0.46
HSL	223°, 35%, 40%
HSV	223°, 52%, 54%
XYZ	10.1620, 9.6488, 25.3716
YIQ	85.9480, -28.6120, 11.9320

Conversions

Conversions Part 2

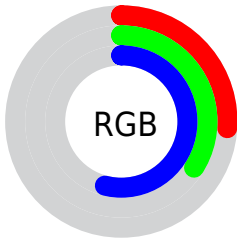
Format	Color
RYB	66, 82, 138
Decimal	4347530
CIELab	37.20, 7.98, -31.34
CIElCh	37, 32.340, 284.286
Yxy	9.6488, 0.2249, 0.2136
Android (android.graphics.Color)	4282537610 (0xFF42568A)
YUV	85.9480, 25.6616, -17.4944
Hunter-Lab	31.0625, 4.0362, -26.6837

Details

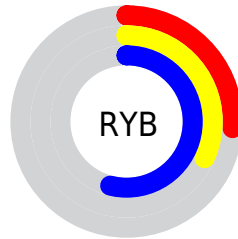
The Hex color **42568A** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8A7642**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **7687C0**, and **062958** is the 20% darker color. If you saturate the color by 10%, you get **344C8A**, and if you desaturate by 10%, it is **50608A**.

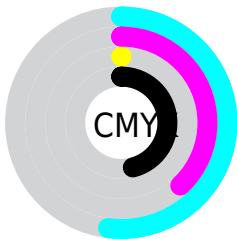
Distribution



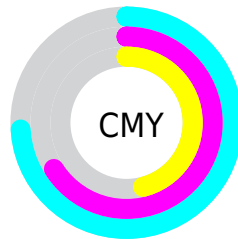
- Red (26%)
- Green (34%)
- Blue (54%)



- Red (26%)
- Yellow (32%)
- Blue (54%)



- Cyan (52%)
- Magenta (38%)
- Yellow (0%)
- Black (46%)



- Cyan (74%)
- Magenta (66%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Hex color 42568A 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 42568A by changing the saturation by 10% instead.

■ 42568A

■ 42568A

FFFFFF

■ 273F70

■ 7687C0

■ 062958

■ 91A2DC

■ 001540

■ ADBDF8

■ 00032A

■ C9D8FF

■ 000114

■ E6F5FF

■ 000000

■ 42568A

■ 42568A

■ 344C8A

■ 50608A

■ 26428A

■ 5E6A8A

■ 19388A

■ 6B748A

■ 0B2E8A

■ 797E8A

■ 00268A

■ 87888A

■ 95928A

■ A39C8A

■ B0A68A

■ BEB08A

Harmonies

Analogous

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



005E89



42568A



6A4C7D

Triad

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



42568A



834834



0F6449

Complementary

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



42568A



8A7642

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.



3E6031



42568A



725124

Square

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



42568A



89424C



5B5A23



006564

Rectangle

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



42568A



7B466F



5B5A23



246340

Sweetspot

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



42568A



969EB3



428A76



484D59



D9D9D9



595959

Same Dimension

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



42568A



4261B3



52428A



3E4045



002585



000105

Inverse Universe

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



8A4256



B34261



7A8A42



453E40



850025



050001

Previews

White Background



This preview shows how the Hex color 42568A looks on a white background.

Color Contrast Check

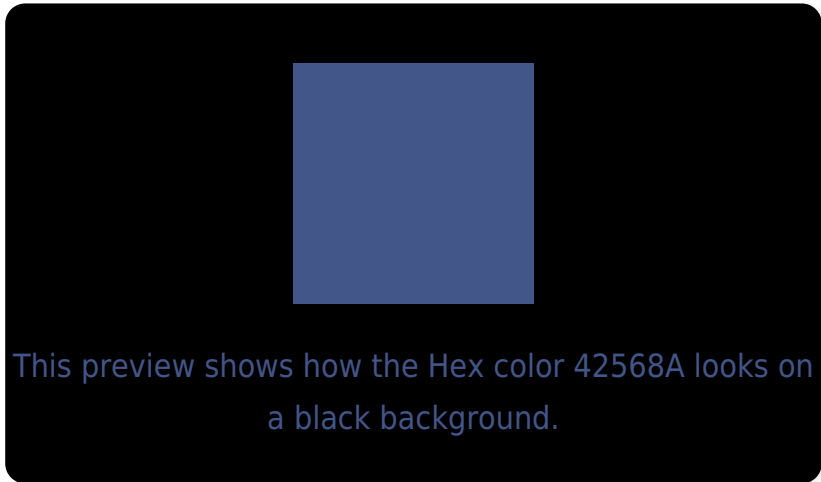
Large Text (above 18pt) WCAG AA ✓ Pass

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

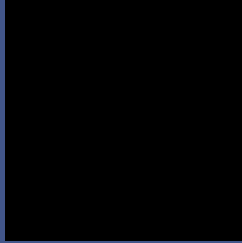
Any Text WCAG AA × Fail

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 42568A Background



This preview shows how black text looks on a background with the Hex color 42568A.



This preview shows how white text looks on a background with the Hex color 42568A.

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


42568A

Protanopia

44568A

Deuteranopia

3C578A



Tritanopia
365E65

Trichromacy



Original Color
42568A

Protanomaly
43568A

Deuteranomaly
3E578A

Tritanomaly
3A5B72

Monochromacy



Original Color
42568A

Achromatopsia
565656

Achromatomaly
4F5669

CSS Examples

Text

The CSS property to change the color of the text to Hex 42568A 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 #42568A looks like.

```
.text, #text, p{  
    color:#42568A  
}
```

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 #42568A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42568A
}
```

Border

The CSS property to change the border of an element to Hex 42568A 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".

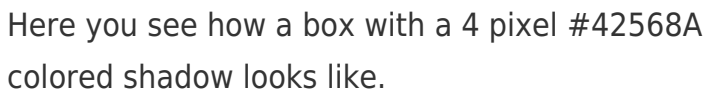
```
.border, #border, table{ border:4px solid
#42568A }
```

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

```
.border{ border-color:#42568A }
```

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

Here you see how a box with a 4 pixel #42568A colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42568A; -webkit-box-shadow:4px 4px  
4px 4px #42568A; box-shadow:4px 4px 4px  
4px #42568A }
```

Background

The CSS property to change the background color of an element to Hex 42568A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42568A }
```

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

```
.background{ background-color:#42568A }
```

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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