

Converting Colors

Hex(2A38AE)

Have a look what the booklet for
Hex(2A38AE) contains.

Hex(2A38AE)	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(2A38AE)

Conversions

Conversions Part 1

Format	Color
Hex	2A38AE
RGB	42, 56, 174
RGB Percent	16%, 22%, 68%
CMY	0.8353, 0.7804, 0.3176
CMYK	0.76, 0.68, 0.00, 0.32
HSL	234°, 61%, 42%
HSV	234°, 76%, 68%
XYZ	10.0090, 6.3766, 40.7477
YIQ	65.2660, -46.2220, 33.7300

Conversions

Conversions Part 2

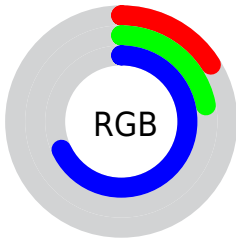
Format	Color
R _Y B	42, 55, 174
Decimal	2767022
CIE Lab	30.34, 36.36, -64.22
CIE LCh	30, 73.801, 299.514
Yxy	6.3766, 0.1752, 0.1116
Android (android.graphics.Color)	4280957102 (0xFF2A38AE)
YUV	65.2660, 53.6059, -20.4043
Hunter-Lab	25.2519, 26.5606, -77.9969




Details

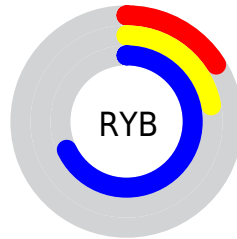
The Hex color **2A38AE** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **AEA02A**, and the grayscale version is **414141**.




A 20% lighter version of the original color is **6C67E7**, and **000F78** is the 20% darker color. If you saturate the color by 10%, you get **1928AE**, and if you desaturate by 10%, it is **3B48AE**.

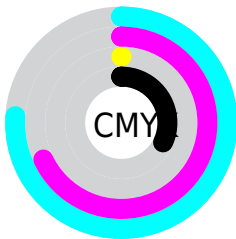
Distribution







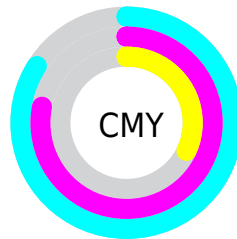
-  Red (16%)
-  Green (22%)
-  Blue (68%)






-  Red (16%)
-  Yellow (22%)
-  Blue (68%)



-  Cyan (76%)
-  Magenta (68%)
-  Yellow (0%)
-  Black (32%)



-  Cyan (84%)
-  Magenta (78%)
-  Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A38AE 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 2A38AE by changing the saturation by 10% instead.

■ 2A38AE

■ 2A38AE

FFFFFF

■ 002293

■ 6C67E7

■ 000F78

■ 8A80FF

■ 00005F

■ A89BFF

■ 000846

■ C5B6FF

■ 00042F

■ E3D1FF

■ 000119

■ FFEEFF

■ 000000

■ 2A38AE

■ 2A38AE

■ 1928AE

■ 3B48AE

■ 0719AE

■ 4D57AE

■ 0012AE

■ 5E67AE

■ 7076AE

■ 8186AE

■ 9295AE

■ A4A5AE

■ B5B4AE

■ C7C4AE

Harmonies

Analogous

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



0051BE



2A38AE



870083

Triad

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



2A38AE



842800



005C45

Complementary

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



2A38AE



AEA02A

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.



005A00



2A38AE



594500

Square

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



2A38AE



A00013



195300



005D80

Rectangle

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



2A38AE



9F005E



195300



005C30

Sweetspot

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



2A38AE



AFB4E3



2AAE9F



535673



F2F2F2



737373

Same Dimension

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



2A38AE



142AE3



5D2AAE



4E4F57



001096



000217

Inverse Universe

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



AE2A38



E3142A



7BAE2A



574E4F



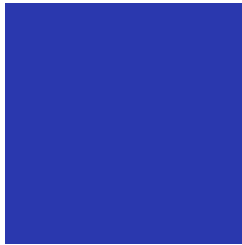
960010



170002

Previews

White Background



This preview shows how the Hex color 2A38AE looks on a white background.

Color Contrast Check

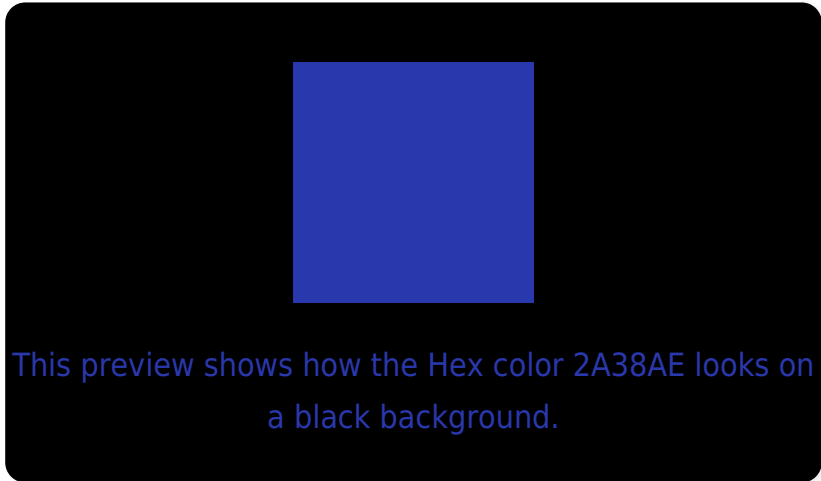
Large Text (above 18pt) WCAG AA ✓ Pass

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

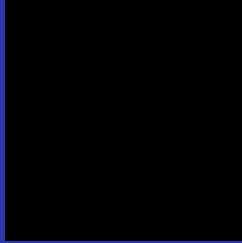
Any Text WCAG AA × Fail

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 2A38AE Background



This preview shows how black text looks on a background with the Hex color 2A38AE.



This preview shows how white text looks on a background with the Hex color 2A38AE.

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





Tritanopia
004F54

Trichromacy



Original Color
2A38AE

Protanomaly
0F409C

Deuteranomaly
0F438E

Tritanomaly
0F4775

Monochromacy



Original Color
2A38AE

Achromatopsia
414141

Achromatomaly
393E69

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A38AE 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 #2A38AE looks like.

```
.text, #text, p{  
    color:#2A38AE  
}
```

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 #2A38AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A38AE
}
```

Border

The CSS property to change the border of an element to Hex 2A38AE is called "border". The border property can be set on classes, ids or directly on the HTML element.

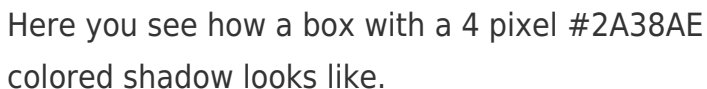
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A38AE }
```

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

```
.border{ border-color:#2A38AE }
```

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



Here you see how a box with a 4 pixel #2A38AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A38AE; -webkit-box-shadow:4px 4px  
4px 4px #2A38AE; box-shadow:4px 4px 4px  
4px #2A38AE }
```

Background

The CSS property to change the background color of an element to Hex 2A38AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A38AE }
```

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

```
.background{ background-color:#2A38AE }
```

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