

Converting Colors

Hex(2A3442)

Have a look what the booklet for
Hex(2A3442) contains.

Hex(2A3442)	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(2A3442)

Conversions

Conversions Part 1

Format	Color
Hex	2A3442
RGB	42, 52, 66
RGB Percent	16%, 20%, 26%
CMY	0.8353, 0.7961, 0.7412
CMYK	0.36, 0.21, 0.00, 0.74
HSL	215°, 22%, 21%
HSV	215°, 36%, 26%
XYZ	3.1662, 3.3416, 5.6324
YIQ	50.6060, -10.4540, 2.2340

Conversions

Conversions Part 2

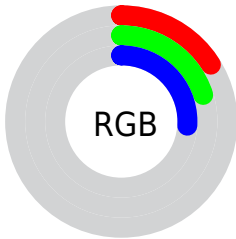
Format	Color
R_{YB}	42, 49, 66
Decimal	2765890
CIE _{Lab}	21.36, -0.17, -10.10
CIE _{LCh}	21, 10.103, 269.054
Yxy	3.3416, 0.2608, 0.2752
Android (android.graphics.Color)	4280955970 (0xFF2A3442)
YUV	50.6060, 7.5892, -7.5475
Hunter-Lab	18.2800, -1.0726, -5.4723

Details

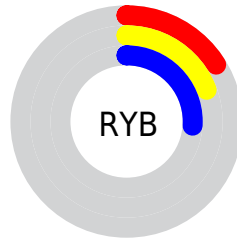
The Hex color **2A3442** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **42382A**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **586272**, and **000618** is the 20% darker color. If you saturate the color by 10%, you get **233042**, and if you desaturate by 10%, it is **313842**.

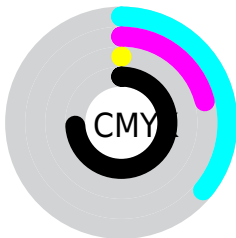
Distribution



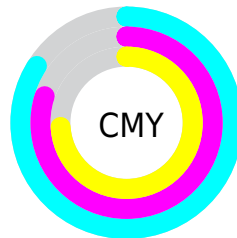
- Red (16%)
- Green (20%)
- Blue (26%)



- Red (16%)
- Yellow (19%)
- Blue (26%)



- Cyan (36%)
- Magenta (21%)
- Yellow (0%)
- Black (74%)



- Cyan (84%)
- Magenta (80%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A3442 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 2A3442 by changing the saturation by 10% instead.

■ 2A3442

■ 2A3442

FFFFFF

■ 151F2C

■ 586272

■ 000618

■ 717B8B

■ 000000

■ 8A95A6

■ A5B0C1

■ C0CBDD

■ DCE7F9

■ F9FFFF

■ 2A3442

■ 2A3442

■ 233042

■ 313842

■ 1D2C42

■ 373C42

■ 162842

■ 3E4042

■ 102542

■ 444342

■ 092142

■ 4B4742

■ 021D42

■ 524B42

■ 001C42

■ 584F42

■ 5F5342

■ 655742

Harmonies

Analogous

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



213640



2A3442



343140

Triad

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



2A3442



422E2C



29372B

Complementary

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



2A3442



42382A

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.



313526



2A3442



3F3027

Square

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



2A3442



422E34



393324



213733

Rectangle

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



2A3442



3A303D



393324



2B3629

Sweetspot

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



2A3442



4D5157



2A4238



26282B



ABABAB



2B2B2B

Same Dimension

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



2A3442



314057



2C2A42



1E1F21



002861



005EE0

Inverse Universe

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



422A34



573140



40422A



211E1F



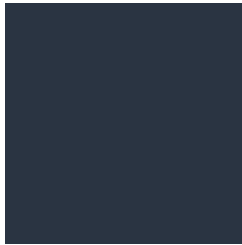
610028



E0005D

Previews

White Background



This preview shows how the Hex color 2A3442 looks on a white background.

Color Contrast Check

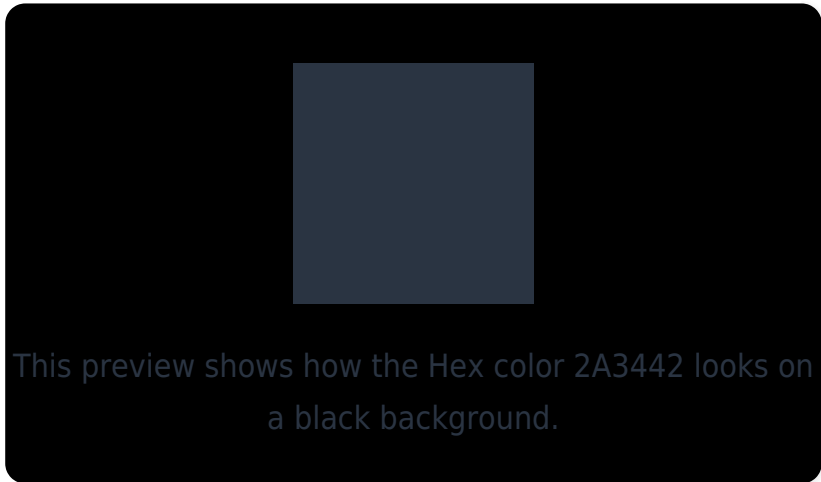
Large Text (above 18pt) WCAG AA ✓ Pass

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

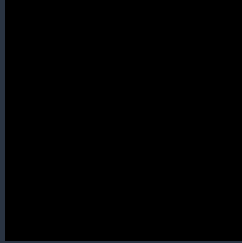
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

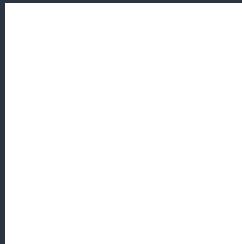
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 2A3442 Background



This preview shows how black text looks on a background with the Hex color 2A3442.

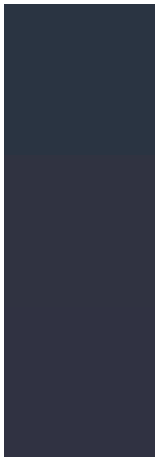


This preview shows how white text looks on a background with the Hex color 2A3442.

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](#).

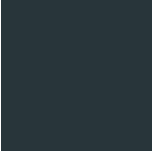
Dichromacy



Original Color
2A3442

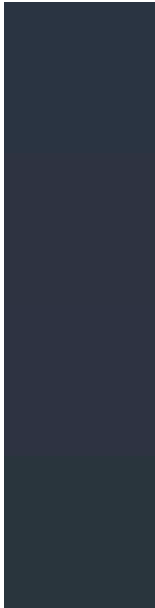
Protanopia
303341

Deuteranopia
303242



Tritanopia
28353A

Trichromacy



Original Color
2A3442

Protanomaly
2E3341

Deuteranomaly
2E3342

Tritanomaly
29353D

Monochromacy



Original Color
2A3442

Achromatopsia
333333

Achromatomaly
303338

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A3442 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 #2A3442 looks like.

```
.text, #text, p{  
    color:#2A3442  
}
```

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 #2A3442 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A3442
}
```

Border

The CSS property to change the border of an element to Hex 2A3442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

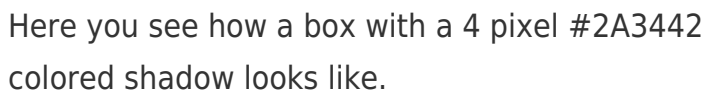
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A3442 }
```

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

```
.border{ border-color:#2A3442 }
```

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



Here you see how a box with a 4 pixel #2A3442 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A3442; -webkit-box-shadow:4px 4px  
4px 4px #2A3442; box-shadow:4px 4px 4px  
4px #2A3442 }
```

Background

The CSS property to change the background color of an element to Hex 2A3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A3442 }
```

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

```
.background{ background-color:#2A3442 }
```

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