

Converting Colors

Hex(2A2F55)

Have a look what the booklet for
Hex(2A2F55) contains.

Hex(2A2F55)	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(2A2F55)

Conversions

Conversions Part 1

Format	Color
Hex	2A2F55
RGB	42, 47, 85
RGB Percent	16%, 18%, 33%
CMY	0.8353, 0.8157, 0.6667
CMYK	0.51, 0.45, 0.00, 0.67
HSL	233°, 34%, 25%
HSV	233°, 51%, 33%
XYZ	3.6111, 3.1811, 9.0180
YIQ	49.8370, -15.1780, 10.7580

Conversions

Conversions Part 2

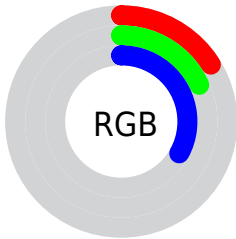
Format	Color
R_{YB}	42, 46, 85
Decimal	2764629
CIE _{Lab}	20.76, 9.66, -23.81
CIE _{LCh}	21, 25.693, 292.084
Yxy	3.1811, 0.2284, 0.2012
Android (android.graphics.Color)	4280954709 (0xFF2A2F55)
YUV	49.8370, 17.3354, -6.8730
Hunter-Lab	17.8358, 4.9267, -17.4929

Details

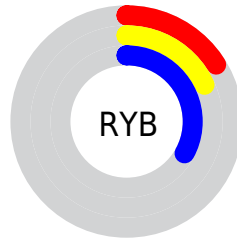
The Hex color **2A2F55** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **55502A**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **5A5D87**, and **000028** is the 20% darker color. If you saturate the color by 10%, you get **212755**, and if you desaturate by 10%, it is **323755**.

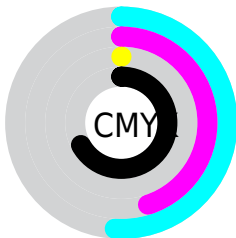
Distribution



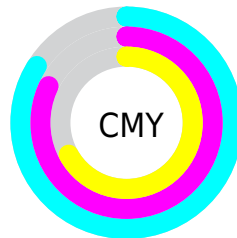
- Red (16%)
- Green (18%)
- Blue (33%)



- Red (16%)
- Yellow (18%)
- Blue (33%)



- Cyan (51%)
- Magenta (45%)
- Yellow (0%)
- Black (67%)



- Cyan (84%)
- Magenta (82%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A2F55 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 2A2F55 by changing the saturation by 10% instead.

■ 2A2F55

■ 2A2F55

FFFFFF

■ 121A3E

■ 5A5D87

■ 000028

■ 7475A1

■ 000111

■ 8E8FBC

■ 000000

■ A8A9D8

■ C4C5F5

■ E0E0FF

■ FDFDFF

■ 2A2F55

■ 2A2F55

■ 212755

■ 323755

■ 192055

■ 3B3E55

■ 101855

■ 434655

■ 081155

■ 4C4D55

■ 000A55

■ 545555

■ 5D5C55

■ 656455

■ 6E6B55

■ 767355

Harmonies

Analogous

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



003657



2A2F55



442749

Triad

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



2A2F55



4E2815



003B2C

Complementary

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



2A2F55



55502A

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.



17391A



2A2F55



412F0A

Square

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



2A2F55



542225



2F350C



003B40

Rectangle

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



2A2F55



4F233E



2F350C



003A26

Sweetspot

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



2A2F55



5D5F6E



2A5550



2E2F38



B8B8B8



383838

Same Dimension

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



2A2F55



2B336E



3A2A55



27282B



000C6B



001BEB

Inverse Universe

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



552A2F



6E2B33



45552A



2B2728



6B000C



EB001B

Previews

White Background



This preview shows how the Hex color 2A2F55 looks on a white background.

Color Contrast Check

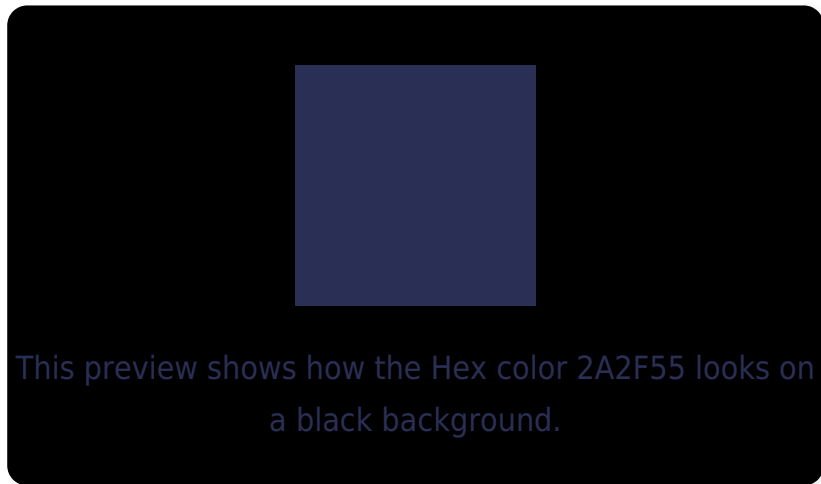
Large Text (above 18pt) WCAG AA ✓ Pass

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

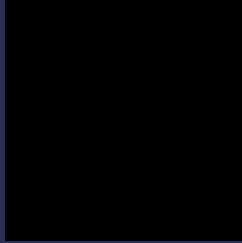
Any Text WCAG AA × Fail

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 2A2F55 Background



This preview shows how black text looks on a background with the Hex color 2A2F55.



This preview shows how white text looks on a background with the Hex color 2A2F55.

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
2A2F55

Protanopia
213157

Deuteranopia
1A3254



Tritanopia
213539

Trichromacy



Original Color

2A2F55

Protanomaly

243056

Deuteranomaly

203154

Tritanomaly

243343

Monochromacy



Original Color

2A2F55

Achromatopsia

323232

Achromatomaly

2F313F

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A2F55 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 #2A2F55 looks like.

```
.text, #text, p{  
    color:#2A2F55  
}
```

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 #2A2F55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A2F55  
}
```

Border

The CSS property to change the border of an element to Hex 2A2F55 is called "border". The border property can be set on classes, ids or directly on the HTML element.

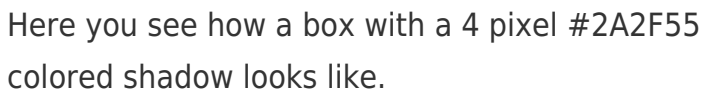
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#2A2F55 }
```

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

```
.border{ border-color:#2A2F55 }
```

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



Here you see how a box with a 4 pixel #2A2F55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A2F55; -webkit-box-shadow:4px 4px  
4px 4px #2A2F55; box-shadow:4px 4px 4px  
4px #2A2F55 }
```

Background

The CSS property to change the background color of an element to Hex 2A2F55 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A2F55 }
```

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

```
.background{ background-color:#2A2F55 }
```

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