

# Converting Colors

Hex(2A3D6E)

Have a look what the booklet for  
Hex(2A3D6E) contains.

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# Color

**Hex(2A3D6E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A3D6E
RGB	42, 61, 110
RGB Percent	16%, 24%, 43%
CMY	0.8353, 0.7608, 0.5686
CMYK	0.62, 0.45, 0.00, 0.57
HSL	223°, 45%, 30%
HSV	223°, 62%, 43%
XYZ	5.4381, 4.9555, 15.4217
YIQ	60.9050, -27.0530, 11.2110

# Conversions

## Conversions Part 2

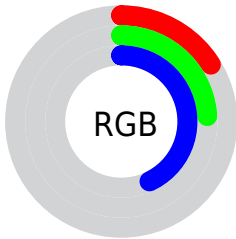
Format	Color
R <sub>Y</sub> B	42, 57, 110
Decimal	2768238
CIE Lab	26.61, 9.01, -30.79
CIE LCh	27, 32.083, 286.314
Yxy	4.9555, 0.2107, 0.1920
Android (android.graphics.Color)	4280958318 (0xFF2A3D6E)
YUV	60.9050, 24.2038, -16.5797
Hunter-Lab	22.2610, 4.6484, -25.4916




# Details

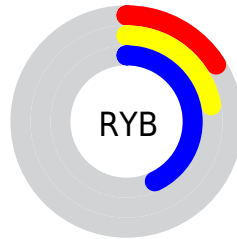
The Hex color **2A3D6E** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **6E5B2A**, and the grayscale version is **3D3D3D**.




A 20% lighter version of the original color is **5E6CA2**, and **00133E** is the 20% darker color. If you saturate the color by 10%, you get **1F356E**, and if you desaturate by 10%, it is **35456E**.

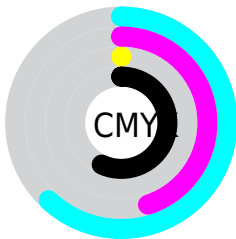
# Distribution







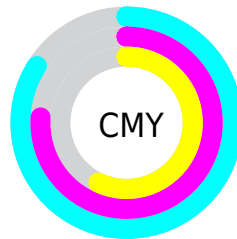
-  Red (16%)
-  Green (24%)
-  Blue (43%)






-  Red (16%)
-  Yellow (22%)
-  Blue (43%)



-  Cyan (62%)
-  Magenta (45%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (84%)
-  Magenta (76%)
-  Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A3D6E 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 2A3D6E by changing the saturation by 10% instead.



■ 2A3D6E

■ 2A3D6E

FFFFFF

■ 0C2755

■ 5E6CA2

■ 00133E

■ 7885BD

■ 000328

■ 939FD9

■ 000111

■ AEBAF6

■ 000000

■ CAD6FF

■ E7F2FF

■ 2A3D6E

■ 2A3D6E

■ 1F356E

■ 35456E

■ 142D6E

■ 404D6E

■ 09256E

■ 4B556E

■ 001F6E

■ 565D6E

■ 61656E

■ 6C6D6E

■ 77746E

■ 827C6E

■ 8D846E

# Harmonies

## Analogous

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



00456E



2A3D6E



513361

# Triad

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



2A3D6E



65301C



004A33

# Complementary

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



2A3D6E



6E5B2A

# 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.



23471B



2A3D6E



553A0C

# Square

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



2A3D6E



6C2933



3F420B



004B4C

# Rectangle

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



2A3D6E



612C53



3F420B



00492A



# Sweetspot

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



2A3D6E



747B8F



2A6E5B



373C47



C7C7C7



474747



# Same Dimension

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



2A3D6E



25438F



392A6E



323438



002178



0045F7



# Inverse Universe

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



6E2A3D



8F2543



5F6E2A



383234



780021



F70045



# Previews

## White Background



This preview shows how the Hex color 2A3D6E looks on a white background.

## Color Contrast Check

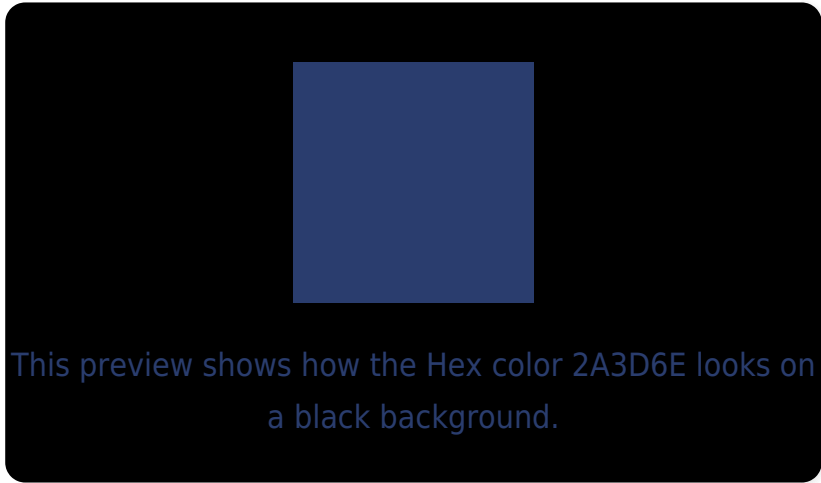
Large Text (above 18pt) WCAG AA ✓ Pass

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

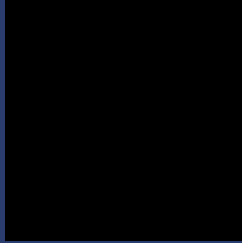
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A3D6E Background



This preview shows how black text looks on a background with the Hex color 2A3D6E.



This preview shows how white text looks on a background with the Hex color 2A3D6E.

# 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**  
2A3D6E

**Protanopia**  
283D6E

**Deuteranopia**  
19406D



**Tritanopia**  
18454B

# Trichromacy



**Original Color**

2A3D6E

**Protanomaly**

293D6E

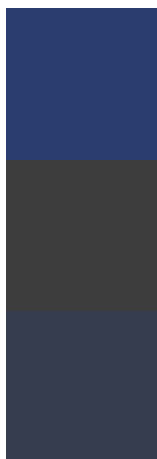
**Deuteranomaly**

1F3F6D

**Tritanomaly**

1F4258

# Monochromacy



**Original Color**

2A3D6E

**Achromatopsia**

3D3D3D

**Achromatomaly**

363D4F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A3D6E 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 #2A3D6E looks like.

```
.text, #text, p{  
    color:#2A3D6E  
}
```

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 #2A3D6E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A3D6E
}
```

## Border

The CSS property to change the border of an element to Hex 2A3D6E 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
#2A3D6E }
```

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

```
.border{ border-color:#2A3D6E }
```

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

Here you see how a box with a 4 pixel #2A3D6E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A3D6E; -webkit-box-shadow:4px 4px  
4px 4px #2A3D6E; box-shadow:4px 4px 4px  
4px #2A3D6E }
```

# Background

The CSS property to change the background color of an element to Hex 2A3D6E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A3D6E }
```

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

```
.background{ background-color:#2A3D6E }
```

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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