

Converting Colors

Hex(2A4C87)

Have a look what the booklet for
Hex(2A4C87) contains.

Hex(2A4C87)	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(2A4C87)

Conversions

Conversions Part 1

Format	Color
Hex	2A4C87
RGB	42, 76, 135
RGB Percent	16%, 30%, 53%
CMY	0.8353, 0.7020, 0.4706
CMYK	0.69, 0.44, 0.00, 0.47
HSL	218°, 53%, 35%
HSV	218°, 69%, 53%
XYZ	7.9125, 7.4104, 23.9350
YIQ	72.5600, -39.2030, 11.1410

Conversions

Conversions Part 2

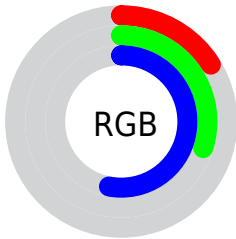
Format	Color
RYB	42, 67, 135
Decimal	2772103
CIELab	32.72, 8.31, -36.70
CIELCh	33, 37.626, 282.752
Yxy	7.4104, 0.2016, 0.1888
Android (android.graphics.Color)	4280962183 (0xFF2A4C87)
YUV	72.5600, 30.7829, -26.8011
Hunter-Lab	27.2220, 4.2449, -33.0753




Details

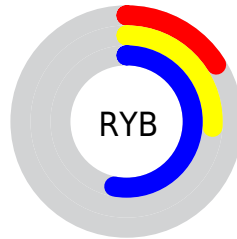
The Hex color **2A4C87** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **87652A**, and the grayscale version is **484848**.




A 20% lighter version of the original color is **627CBD**, and **002155** is the 20% darker color. If you saturate the color by 10%, you get **1C4387**, and if you desaturate by 10%, it is **375587**.

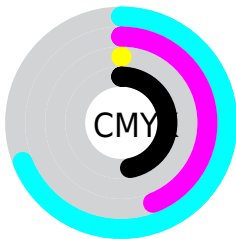
Distribution







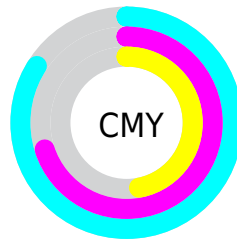
-  Red (16%)
-  Green (30%)
-  Blue (53%)






-  Red (16%)
-  Yellow (26%)
-  Blue (53%)



-  Cyan (69%)
-  Magenta (44%)
-  Yellow (0%)
-  Black (47%)



-  Cyan (84%)
-  Magenta (70%)
-  Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A4C87 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 2A4C87 by changing the saturation by 10% instead.



2A4C87



2A4C87

FFFFFF



01366D



627CBD



002155



7D96D9



00093D



99B1F5



000327



B5CCFF



000110



D2E8FF



000000



FFFFFF



2A4C87



2A4C87



1C4387



375587

■ 0F3B87

■ 455D87

■ 013287

■ 526687

■ 003187

■ 606E87

■ 6E7787

■ 7B7F87

■ 898887

■ 969187

■ A39987

Harmonies

Analogous

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



005585



2A4C87



5F4079

Triad

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



2A4C87



7C3926



005A3A

Complementary

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



2A4C87



87652A

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.



2F561E



2A4C87



6A4511

Square

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



2A4C87



833141



504F0C



005B59

Rectangle

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



2A4C87



733769



504F0C



055930

Sweetspot

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



2A4C87



8B99B0



2A8765



434B59



D9D9D9



595959

Same Dimension

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



2A4C87



1E53B0



362A87



3C3E42



003082



000103

Inverse Universe

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



872A4C



B01E53



7B872A



423C3E



820030



030001

Previews

White Background



This preview shows how the Hex color 2A4C87 looks on a white background.

Color Contrast Check

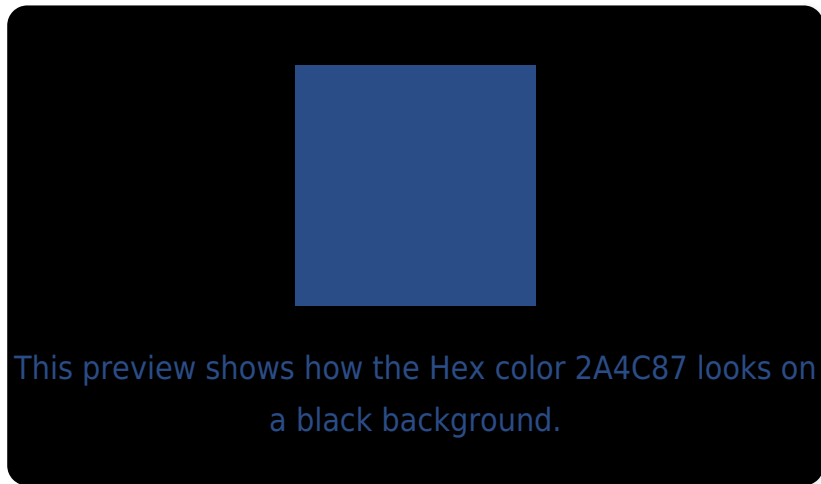
Large Text (above 18pt) WCAG AA ✓ Pass

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 2A4C87 Background



This preview shows how black text looks on a background with the Hex color 2A4C87.



This preview shows how white text looks on a background with the Hex color 2A4C87.

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
2A4C87

Protanopia
324B86

Deuteranopia
1C4E87



Tritanopia
00555C

Trichromacy



Original Color
2A4C87

Protanomaly
2F4B86

Deuteranomaly
214D87

Tritanomaly
0F526C

Monochromacy



Original Color
2A4C87

Achromatopsia
494949

Achromatomaly
3E4A60

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A4C87 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 #2A4C87 looks like.

```
.text, #text, p{  
    color:#2A4C87  
}
```

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 #2A4C87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A4C87
}
```

Border

The CSS property to change the border of an element to Hex 2A4C87 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
#2A4C87 }
```

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

```
.border{ border-color:#2A4C87 }
```

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

Here you see how a box with a 4 pixel #2A4C87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A4C87; -webkit-box-shadow:4px 4px  
4px 4px #2A4C87; box-shadow:4px 4px 4px  
4px #2A4C87 }
```

Background

The CSS property to change the background color of an element to Hex 2A4C87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A4C87 }
```

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

```
.background{ background-color:#2A4C87 }
```

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