

Converting Colors

Hex(2A46AA)

Have a look what the booklet for
Hex(2A46AA) contains.

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Color

Hex(2A46AA)

Conversions

Conversions Part 1

Format	Color
Hex	2A46AA
RGB	42, 70, 170
RGB Percent	16%, 27%, 67%
CMY	0.8353, 0.7255, 0.3333
CMYK	0.75, 0.59, 0.00, 0.33
HSL	227°, 60%, 42%
HSV	227°, 75%, 67%
XYZ	10.4007, 7.7748, 38.9827
YIQ	73.0280, -48.7880, 25.1640

Conversions

Conversions Part 2

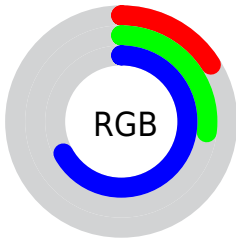
Format	Color
R_{YB}	42, 65, 170
Decimal	2770602
CIE Lab	33.51, 25.75, -56.65
CIE LCh	34, 62.232, 294.444
Yxy	7.7748, 0.1820, 0.1360
Android (android.graphics.Color)	4280960682 (0xFF2A46AA)
YUV	73.0280, 47.8072, -27.2116
Hunter-Lab	27.8834, 17.7858, -63.3727

Details

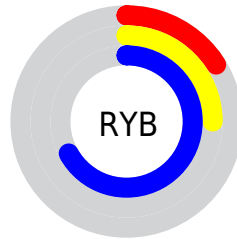
The Hex color **2A46AA** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **AA8E2A**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **6A76E2**, and **001C75** is the 20% darker color. If you saturate the color by 10%, you get **1939AA**, and if you desaturate by 10%, it is **3B53AA**.

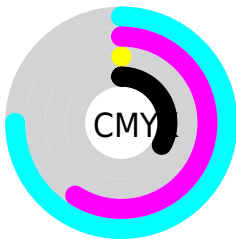
Distribution



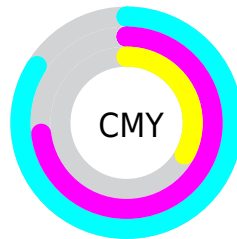
- Red (16%)
- Green (27%)
- Blue (67%)



- Red (16%)
- Yellow (25%)
- Blue (67%)



- Cyan (75%)
- Magenta (59%)
- Yellow (0%)
- Black (33%)



- Cyan (84%)
- Magenta (73%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A46AA 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 2A46AA by changing the saturation by 10% instead.

■ 2A46AA

■ 2A46AA

FFFFFF

■ 00308F

■ 6A76E2

■ 001C75

■ 878FFF

■ 00065B

■ A5A AFF

■ 000743

■ C2C5FF

■ 00032C

■ E0E1FF

■ 000116

FEFEFF

■ 000000

■ 2A46AA

■ 2A46AA

■ 1939AA

■ 3B53AA

082BAA

4C61AA

0025AA

5D6EAA

6E7BAA

7F88AA

9096AA

A1A3AA

B2B0AA

C3BEAA

Harmonies

Analogous

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



0058B2



2A46AA



7F2789

Triad

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



2A46AA



8C3200



006244

Complementary

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



2A46AA



AA8E2A

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.



005F0A



2A46AA



694A00

Square

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



2A46AA



A0062A



3A5800



006377

Rectangle

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



2A46AA



97046B



3A5800



006232

Sweetspot

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



2A46AA



ABB6DE



2AAA8C



515870



F0F0F0



707070

Same Dimension

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



2A46AA



1642DE



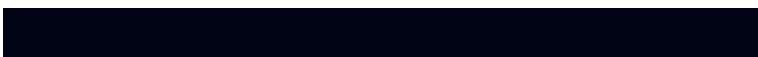
4C2AAA



4C4E54



002094



000414

Inverse Universe

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



AA2A46



DE1642



88AA2A



544C4E



940020



140004

Previews

White Background



This preview shows how the Hex color 2A46AA looks on a white background.

Color Contrast Check

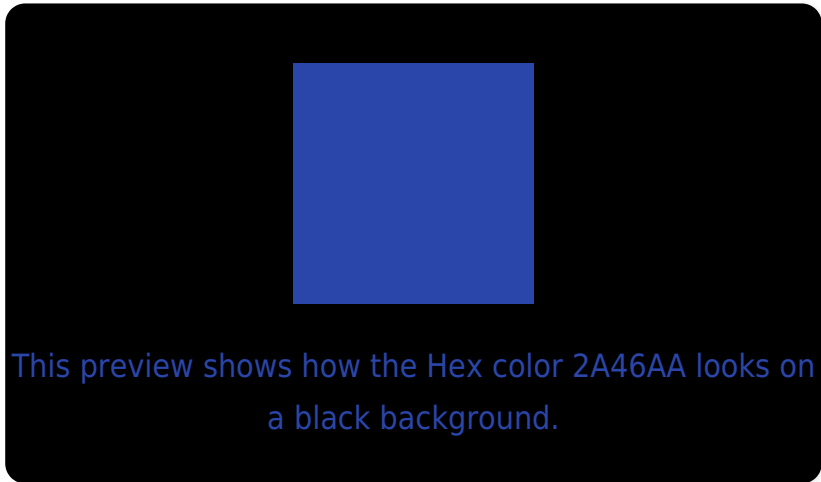
Large Text (above 18pt) WCAG AA ✓ Pass

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

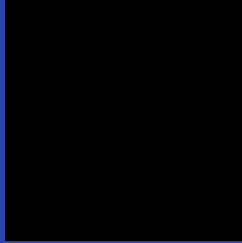
Any Text WCAG AA × Fail

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 2A46AA Background



This preview shows how black text looks on a background with the Hex color 2A46AA.



This preview shows how white text looks on a background with the Hex color 2A46AA.

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
2A46AA

Protanopia
004CA1

Deuteranopia
00518A

Trichromacy



Original Color
2A46AA

Protanomaly
0F4AA4

Deuteranomaly
0F4D96

Tritanomaly
0F5179

Monochromacy



Original Color
2A46AA

Achromatopsia
494949

Achromatomaly
3E486C

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A46AA 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 #2A46AA looks like.

```
.text, #text, p{  
    color:#2A46AA  
}
```

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 #2A46AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A46AA
}
```

Border

The CSS property to change the border of an element to Hex 2A46AA 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
#2A46AA }
```

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

```
.border{ border-color:#2A46AA }
```

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

Here you see how a box with a 4 pixel #2A46AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A46AA; -webkit-box-shadow:4px 4px  
4px 4px #2A46AA; box-shadow:4px 4px 4px  
4px #2A46AA }
```

Background

The CSS property to change the background color of an element to Hex 2A46AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A46AA }
```

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

```
.background{ background-color:#2A46AA }
```

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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