

Converting Colors

Hex(2D47A6)

Have a look what the booklet for
Hex(2D47A6) contains.

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Color

Hex(2D47A6)

Conversions

Conversions Part 1

Format	Color
Hex	2D47A6
RGB	45, 71, 166
RGB Percent	18%, 28%, 65%
CMY	0.8235, 0.7216, 0.3490
CMYK	0.73, 0.57, 0.00, 0.35
HSL	227°, 57%, 41%
HSV	227°, 73%, 65%
XYZ	10.2184, 7.8175, 37.0468
YIQ	74.0560, -45.9910, 24.0330

Conversions

Conversions Part 2

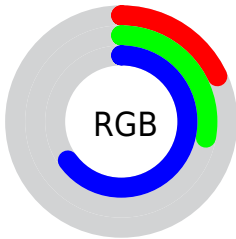
Format	Color
R_{YB}	45, 66, 166
Decimal	2967462
CIE _{Lab}	33.60, 23.96, -54.11
CIE _{LCh}	34, 59.173, 293.881
Y _{xy}	7.8175, 0.1855, 0.1419
Android (android.graphics.Color)	4281157542 (0xFF2D47A6)
YUV	74.0560, 45.3284, -25.4821
Hunter-Lab	27.9599, 16.3058, -58.9872

Details

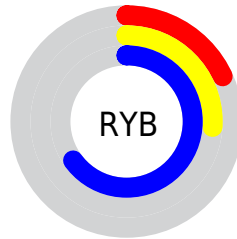
The Hex color **2D47A6** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A68C2D**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **6B77DE**, and **001D71** is the 20% darker color. If you saturate the color by 10%, you get **1C3AA6**, and if you desaturate by 10%, it is **3E54A6**.

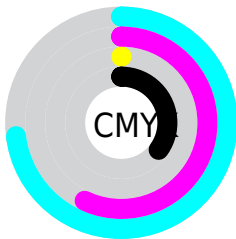
Distribution



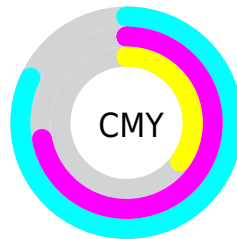
- Red (18%)
- Green (28%)
- Blue (65%)



- Red (18%)
- Yellow (26%)
- Blue (65%)



- Cyan (73%)
- Magenta (57%)
- Yellow (0%)
- Black (35%)



- Cyan (82%)
- Magenta (72%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D47A6 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 2D47A6 by changing the saturation by 10% instead.

■ 2D47A6

■ 2D47A6

FFFFFF

■ 00318B

■ 6B77DE

■ 001D71

■ 8891FB

■ 000658

■ A5ABFF

■ 000740

■ C2C6FF

■ 000329

■ E0E2FF

■ 000113

FEFFFF

■ 000000

■ 2D47A6

■ 2D47A6

■ 1C3AA6

■ 3E54A6

■ 0C2DA6

■ 4E61A6

■ 0024A6

■ 5F6EA6

■ 6F7BA6

■ 8088A6

■ 9195A6

■ A1A2A6

■ B2AFA6

■ C2BCA6

Harmonies

Analogous

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



0058AD



2D47A6



7C2B87

Triad

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



2D47A6



8A3300



006244

Complementary

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



2D47A6



A68C2D

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.



005F0F



2D47A6



694A00

Square

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



2D47A6



9D132D



3D5700



006374

Rectangle

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



2D47A6



94136A



3D5700



006133

Sweetspot

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



2D47A6



A9B3D9



2DA68C



51576E



EDEDED



6E6E6E

Same Dimension

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



2D47A6



1C45D9



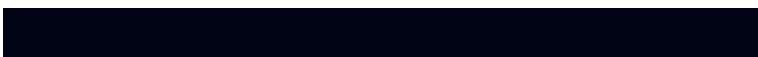
4F2DA6



4C4E54



002094



000414

Inverse Universe

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



A62D47



D91C45



84A62D



544C4E



940020



140004

Previews

White Background



This preview shows how the Hex color 2D47A6 looks on a white background.

Color Contrast Check

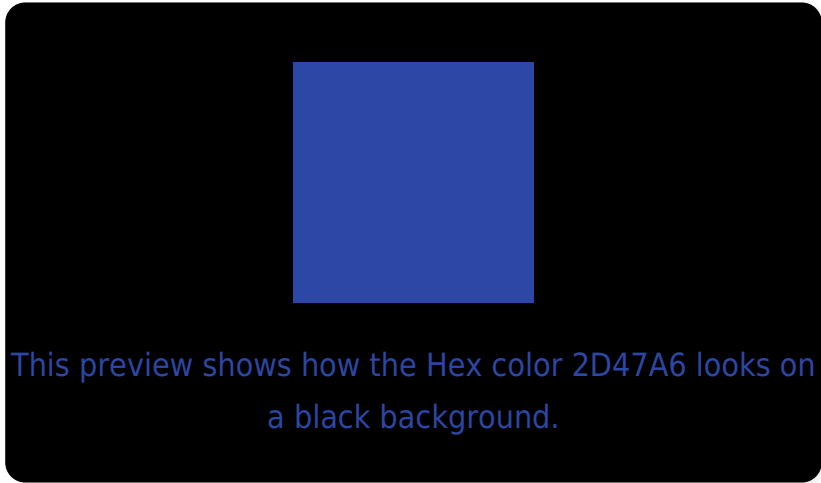
Large Text (above 18pt) WCAG AA ✓ Pass

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

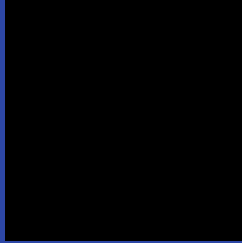
Any Text WCAG AA × Fail

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 2D47A6 Background



This preview shows how black text looks on a background with the Hex color 2D47A6.



This preview shows how white text looks on a background with the Hex color 2D47A6.

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
2D47A6

Protanopia
004CA1

Deuteranopia
00518B

Trichromacy



Original Color
2D47A6

Protanomaly
104AA3

Deuteranomaly
104D95

Tritanomaly
105178

Monochromacy



Original Color
2D47A6

Achromatopsia
4A4A4A

Achromatomaly
3F496B

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D47A6 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 #2D47A6 looks like.

```
.text, #text, p{  
    color:#2D47A6  
}
```

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 #2D47A6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D47A6
}
```

Border

The CSS property to change the border of an element to Hex 2D47A6 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
#2D47A6 }
```

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

```
.border{ border-color:#2D47A6 }
```

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

Here you see how a box with a 4 pixel #2D47A6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D47A6; -webkit-box-shadow:4px 4px  
4px 4px #2D47A6; box-shadow:4px 4px 4px  
4px #2D47A6 }
```

Background

The CSS property to change the background color of an element to Hex 2D47A6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D47A6 }
```

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

```
.background{ background-color:#2D47A6 }
```

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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