

# Converting Colors

Hex(2850A6)

Have a look what the booklet for  
Hex(2850A6) contains.

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# Color

**Hex(2850A6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2850A6
RGB	40, 80, 166
RGB Percent	16%, 31%, 65%
CMY	0.8431, 0.6863, 0.3490
CMYK	0.76, 0.52, 0.00, 0.35
HSL	221°, 61%, 40%
HSV	221°, 76%, 65%
XYZ	10.6267, 8.9416, 37.2422
YIQ	77.8440, -51.4460, 18.2660

# Conversions

## Conversions Part 2

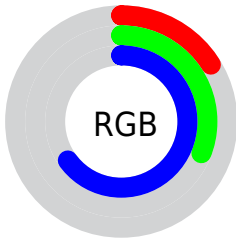
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 70, 166
Decimal	2642086
CIELab	35.87, 17.29, -50.44
CIELCh	36, 53.316, 288.922
Yxy	8.9416, 0.1871, 0.1574
Android (android.graphics.Color)	4280832166 (0xFF2850A6)
YUV	77.8440, 43.4609, -33.1892
Hunter-Lab	29.9025, 11.1054, -52.9112

# Details

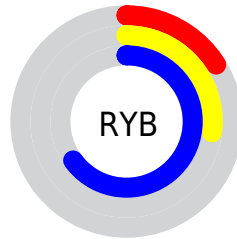
The Hex color **2850A6** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **A67E28**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **6781DE**, and **002571** is the 20% darker color. If you saturate the color by 10%, you get **1745A6**, and if you desaturate by 10%, it is **395BA6**.

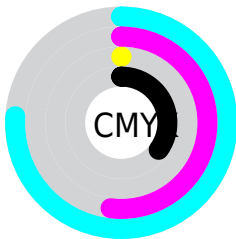
# Distribution



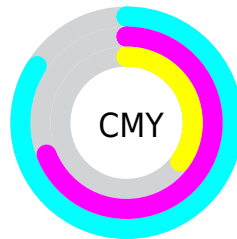
- Red (16%)
- Green (31%)
- Blue (65%)



- Red (16%)
- Yellow (27%)
- Blue (65%)



- Cyan (76%)
- Magenta (52%)
- Yellow (0%)
- Black (35%)



- Cyan (84%)
- Magenta (69%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2850A6 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 2850A6 by changing the saturation by 10% instead.



■ 2850A6

■ 2850A6

FFFFFF

■ 003A8B

■ 6781DE

■ 002571

■ 849BFB

■ 001258

■ A1B5FF

■ 000740

■ BED1FF

■ 000329

■ DCEDFF

■ 000113

■ FAFFFF

■ 000000

■ 2850A6

■ 2850A6

■ 1745A6

■ 395BA6

0739A6

4967A6

0035A6

5A72A6

6A7DA6

7B89A6

8C94A6

9C9FA6

ADABA6

BDB6A6

# Harmonies

## Analogous

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



005EA9



2850A6



773B8D

# Triad

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



2850A6



903912



006643

# Complementary

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



2850A6



A67E28

# 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.



0C6215



2850A6



744D00

# Square

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



2850A6



9E253C



4D5A00



00676F

# Rectangle

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



2850A6



902B74



4D5A00



006534



# Sweetspot

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



2850A6



A7B7D9



28A67C



4F596E



EDEDED



6E6E6E



# Same Dimension

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



2850A6



1452D9



3D28A6



4C4E54



002F94



000614



# Inverse Universe

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



A62850



D91452



91A628



544C4E



94002F



140006



# Previews

## White Background



This preview shows how the Hex color 2850A6 looks on a white background.

## Color Contrast Check

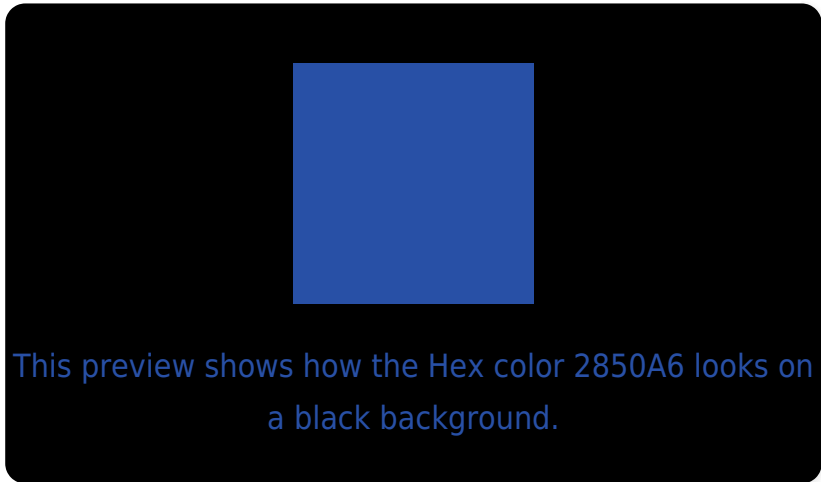
Large Text (above 18pt) WCAG AA ✓ Pass

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

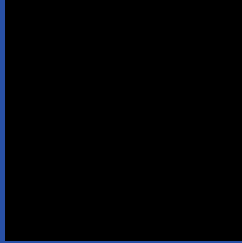
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2850A6 Background



This preview shows how black text looks on a background with the Hex color 2850A6.



This preview shows how white text looks on a background with the Hex color 2850A6.

# 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**  
2850A6

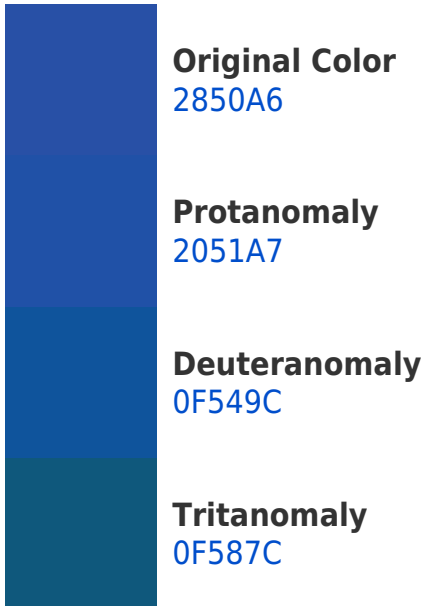
**Protanopia**  
1B51A7

**Deuteranopia**  
005696



**Tritanopia**  
005D64

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2850A6 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 #2850A6 looks like.

```
.text, #text, p{  
    color:#2850A6  
}
```

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 #2850A6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2850A6
}
```

## Border

The CSS property to change the border of an element to Hex 2850A6 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
#2850A6 }
```

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

```
.border{ border-color:#2850A6 }
```

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

Here you see how a box with a 4 pixel #2850A6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2850A6; -webkit-box-shadow:4px 4px  
4px 4px #2850A6; box-shadow:4px 4px 4px  
4px #2850A6 }
```

# Background

The CSS property to change the background color of an element to Hex 2850A6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2850A6 }
```

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

```
.background{ background-color:#2850A6 }
```

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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