

Converting Colors

Hex(2850A5)

Have a look what the booklet for
Hex(2850A5) contains.

Hex(2850A5)	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(2850A5)

Conversions

Conversions Part 1

Format	Color
Hex	2850A5
RGB	40, 80, 165
RGB Percent	16%, 31%, 65%
CMY	0.8431, 0.6863, 0.3529
CMYK	0.76, 0.52, 0.00, 0.35
HSL	221°, 61%, 40%
HSV	221°, 76%, 65%
XYZ	10.5353, 8.9051, 36.7609
YIQ	77.7300, -51.1250, 17.9550

Conversions

Conversions Part 2

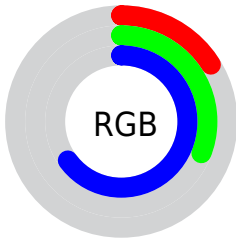
Format	Color
RYB	40, 70, 165
Decimal	2642085
CIELab	35.80, 16.90, -49.95
CIELCh	36, 52.734, 288.694
Yxy	8.9051, 0.1875, 0.1584
Android (android.graphics.Color)	4280832165 (0xFF2850A5)
YUV	77.7300, 43.0241, -33.0892
Hunter-Lab	29.8413, 10.7958, -52.1491

Details

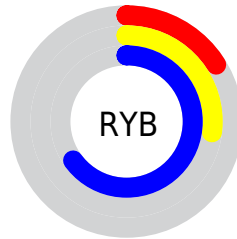
The Hex color **2850A5** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **A57D28**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **6781DD**, and **002570** is the 20% darker color. If you saturate the color by 10%, you get **1845A5**, and if you desaturate by 10%, it is **395BA5**.

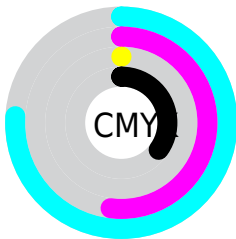
Distribution



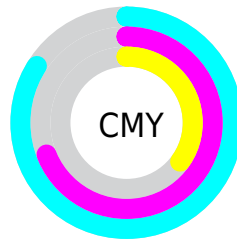
- Red (16%)
- Green (31%)
- Blue (65%)



- 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 2850A5 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 2850A5 by changing the saturation by 10% instead.

■ 2850A5

■ 2850A5

FFFFFF

■ 003A8A

■ 6781DD

■ 002570

■ 849BFA

■ 001157

■ A1B5FF

■ 00063F

■ BED1FF

■ 000328

■ DBEDFF

■ 000112

■ F9FFFF

■ 000000

■ 2850A5

■ 2850A5

■ 1845A5

■ 395BA5

073AA5

4966A5

0035A5

5A72A5

6A7DA5

7A88A5

8B93A5

9B9FA5

ACAAA5

BDB5A5

Harmonies

Analogous

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



005EA8



2850A5



763B8D

Triad

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



2850A5



903914



006642

Complementary

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



2850A5



A57D28

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.



0F6215



2850A5



744D00

Square

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



2850A5



9E253C



4E5A00



00676E

Rectangle

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



2850A5



8F2C74



4E5A00



006534

Sweetspot

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



2850A5



A5B5D6



28A57B



4D576B



EBEBEB



6B6B6B

Same Dimension

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



2850A5



1352D6



3D28A5



494C52



002F91



000612

Inverse Universe

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



A52850



D61352



90A528



52494C



91002F



120006

Previews

White Background



This preview shows how the Hex color 2850A5 looks on a white background.

Color Contrast Check

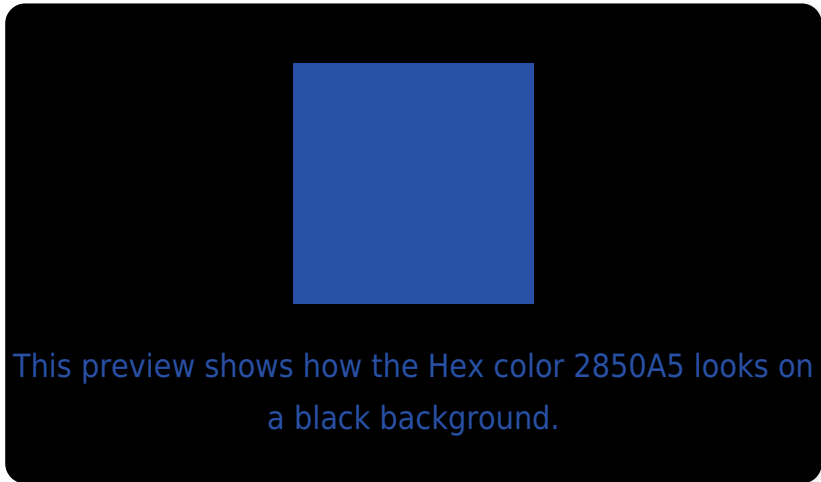
Large Text (above 18pt) WCAG AA ✓ Pass

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

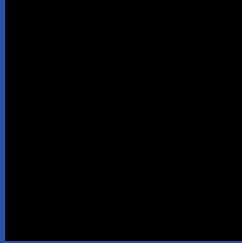
Any Text WCAG AA × Fail

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 2850A5 Background



This preview shows how black text looks on a background with the Hex color 2850A5.



This preview shows how white text looks on a background with the Hex color 2850A5.

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





Tritanopia
005D64

Trichromacy



Original Color
2850A5

Protanomaly
2151A6

Deuteranomaly
0F549B

Tritanomaly
0F587C

Monochromacy



Original Color
2850A5

Achromatopsia
4E4E4E

Achromatomaly
404F6E

CSS Examples

Text

The CSS property to change the color of the text to Hex 2850A5 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 #2850A5 looks like.

```
.text, #text, p{  
    color:#2850A5  
}
```

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 #2850A5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2850A5
}
```

Border

The CSS property to change the border of an element to Hex 2850A5 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
#2850A5 }
```

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

```
.border{ border-color:#2850A5 }
```

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

Here you see how a box with a 4 pixel #2850A5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2850A5; -webkit-box-shadow:4px 4px  
4px 4px #2850A5; box-shadow:4px 4px 4px  
4px #2850A5 }
```

Background

The CSS property to change the background color of an element to Hex 2850A5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2850A5 }
```

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

```
.background{ background-color:#2850A5 }
```

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