

# Converting Colors

Hex(2D5EA6)

Have a look what the booklet for  
Hex(2D5EA6) contains.

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# Color

**Hex(2D5EA6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D5EA6
RGB	45, 94, 166
RGB Percent	18%, 37%, 65%
CMY	0.8235, 0.6314, 0.3490
CMYK	0.73, 0.43, 0.00, 0.35
HSL	216°, 57%, 41%
HSV	216°, 73%, 65%
XYZ	11.9678, 11.3165, 37.6299
YIQ	87.5570, -52.3160, 12.0040

# Conversions

## Conversions Part 2

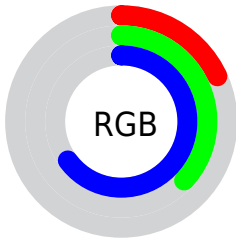
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 80, 166
Decimal	2973350
CIE <sub>Lab</sub>	40.11, 8.76, -43.61
CIE <sub>LCh</sub>	40, 44.485, 281.359
Yxy	11.3165, 0.1965, 0.1858
Android (android.graphics.Color)	4281163430 (0xFF2D5EA6)
YUV	87.5570, 38.6724, -37.3225
Hunter-Lab	33.6400, 4.6336, -42.7743

# Details

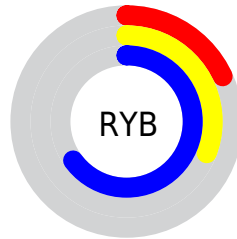
The Hex color **2D5EA6** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **A6752D**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **6A90DE**, and **003171** is the 20% darker color. If you saturate the color by 10%, you get **1C54A6**, and if you desaturate by 10%, it is **3E68A6**.

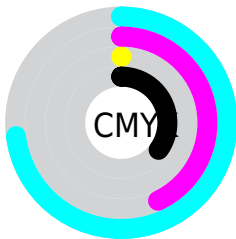
# Distribution



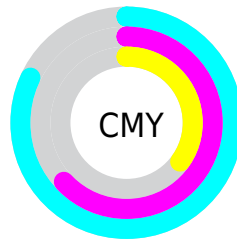
- Red (18%)
- Green (37%)
- Blue (65%)



- Red (18%)
- Yellow (31%)
- Blue (65%)



- Cyan (73%)
- Magenta (43%)
- Yellow (0%)
- Black (35%)



- Cyan (82%)
- Magenta (63%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D5EA6 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 2D5EA6 by changing the saturation by 10% instead.



■ 2D5EA6

■ 2D5EA6

FFFFFF

■ 00478B

■ 6A90DE

■ 003171

■ 87AAFA

■ 001D58

■ A3C5FF

■ 000041

■ C0E1FF

■ 00032A

■ DEFEFF

■ 000114

■ FCFFFF

■ 000000

■ 2D5EA6

■ 2D5EA6

■ 1C54A6

■ 3E68A6

■ 0C4AA6

■ 4E72A6

■ 0043A6

■ 5F7CA6

■ 6F86A6

■ 808FA6

■ 9199A6

■ A1A3A6

■ B2ADA6

■ C2B7A6

# Harmonies

## Analogous

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



0069A3



2D5EA6



724F95

# Triad

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



2D5EA6



994630



006E46

# Complementary

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



2D5EA6



A6752D

# 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.



3C6A24



2D5EA6



835415

# Square

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



2D5EA6



A03C52



64610C



00706C

# Rectangle

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



2D5EA6



8C4482



64610C



086D3A



# Sweetspot

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



2D5EA6



A9BCD9



2DA674



515D6E



EDEDED



6E6E6E



# Same Dimension

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



2D5EA6



1C69D9



372DA6



4C4F54



003C94



000814



# Inverse Universe

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



A62D5E



D91C69



9CA62D



544C4F



94003C



140008



# Previews

## White Background



This preview shows how the Hex color 2D5EA6 looks on a white background.

## Color Contrast Check

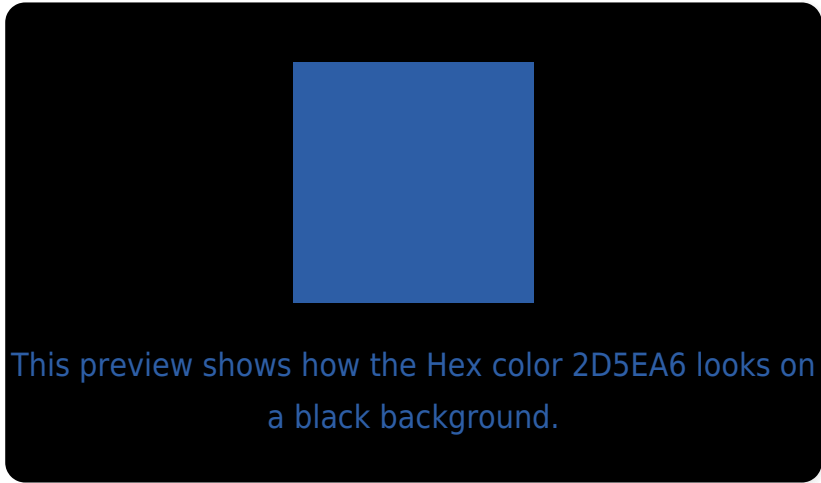
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

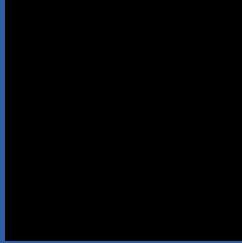
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D5EA6 Background



This preview shows how black text looks on a background with the Hex color 2D5EA6.

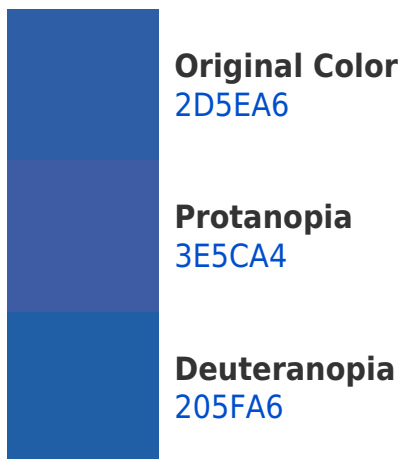



This preview shows how white text looks on a background with the Hex color 2D5EA6.

# 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](#).

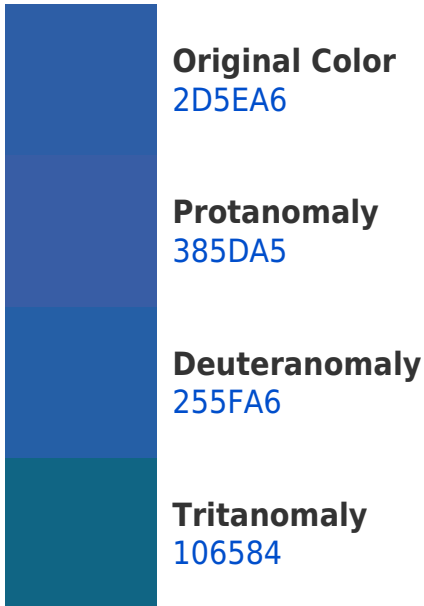
## Dichromacy





**Tritanopia**  
006971

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D5EA6 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 #2D5EA6 looks like.

```
.text, #text, p{  
    color:#2D5EA6  
}
```

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 #2D5EA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D5EA6
}
```

## Border

The CSS property to change the border of an element to Hex 2D5EA6 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
#2D5EA6 }
```

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

```
.border{ border-color:#2D5EA6 }
```

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

Here you see how a box with a 4 pixel #2D5EA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D5EA6; -webkit-box-shadow:4px 4px  
4px 4px #2D5EA6; box-shadow:4px 4px 4px  
4px #2D5EA6 }
```

# Background

The CSS property to change the background color of an element to Hex 2D5EA6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D5EA6 }
```

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

```
.background{ background-color:#2D5EA6 }
```

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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