

# Converting Colors

Hex(2C64AB)

Have a look what the booklet for  
Hex(2C64AB) contains.

<b>Hex(2C64AB)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(2C64AB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2C64AB
RGB	44, 100, 171
RGB Percent	17%, 39%, 67%
CMY	0.8275, 0.6078, 0.3294
CMYK	0.74, 0.42, 0.00, 0.33
HSL	214°, 59%, 42%
HSV	214°, 74%, 67%
XYZ	12.9466, 12.5901, 40.2758
YIQ	91.3500, -56.1670, 10.2090

# Conversions

## Conversions Part 2

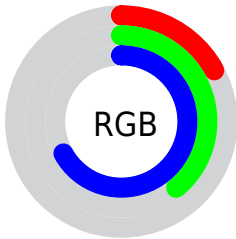
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 83, 171
Decimal	2909355
CIE <sub>Lab</sub>	42.14, 6.66, -43.33
CIE <sub>LCh</sub>	42, 43.838, 278.742
Yxy	12.5901, 0.1967, 0.1913
Android (android.graphics.Color)	4281099435 (0xFF2C64AB)
YUV	91.3500, 39.2675, -41.5259
Hunter-Lab	35.4825, 3.0352, -42.4617

# Details

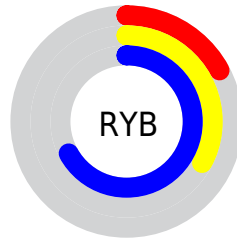
The Hex color **2C64AB** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **AB732C**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **6A96E3**, and **003676** is the 20% darker color. If you saturate the color by 10%, you get **1B5AAB**, and if you desaturate by 10%, it is **3D6EAB**.

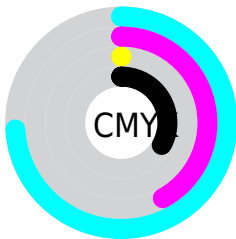
# Distribution



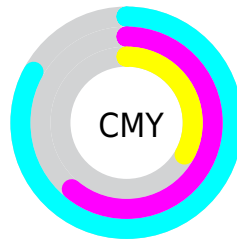
- Red (17%)
- Green (39%)
- Blue (67%)



- Red (17%)
- Yellow (33%)
- Blue (67%)



- Cyan (74%)
- Magenta (42%)
- Yellow (0%)
- Black (33%)



- Cyan (83%)
- Magenta (61%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C64AB 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 2C64AB by changing the saturation by 10% instead.



■ 2C64AB

■ 2C64AB

FFFFFF

■ 004C90

■ 6A96E3

■ 003676

■ 87B1FF

■ 00225D

■ A4CCFF

■ 000A45

■ C1E8FF

■ 00042E

■ DFFFFF

■ 000118

FDFFFF

■ 000000

■ 2C64AB

■ 2C64AB

■ 1B5AAB

■ 3D6EAB

■ 0A51AB

■ 4E77AB

■ 004BAB

■ 5F81AB

■ 708AAB

■ 8194AB

■ 939DAB

■ A4A7AB

■ B5B0AB

■ C6BAAB

# Harmonies

## Analogous

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



006EA7



2C64AB



73559C

# Triad

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



2C64AB



A04A38



007348

# Complementary

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



2C64AB



AB732C

# 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.



466E27



2C64AB



8B581D

# Square

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



2C64AB



A5425A



6D6514



00756D

# Rectangle

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



2C64AB



8E4B89



6D6514



1F723C



# Sweetspot

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



2C64AB



ADC3DE



2CAB72



536070



F0F0F0



707070



# Same Dimension

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



2C64AB



186FDE



322CAB



4E5257



004296



000A17



# Inverse Universe

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



AB2C64



DE186F



A5AB2C



574E52



960042



17000A



# Previews

## White Background



This preview shows how the Hex color 2C64AB looks on a white background.

### Color Contrast Check

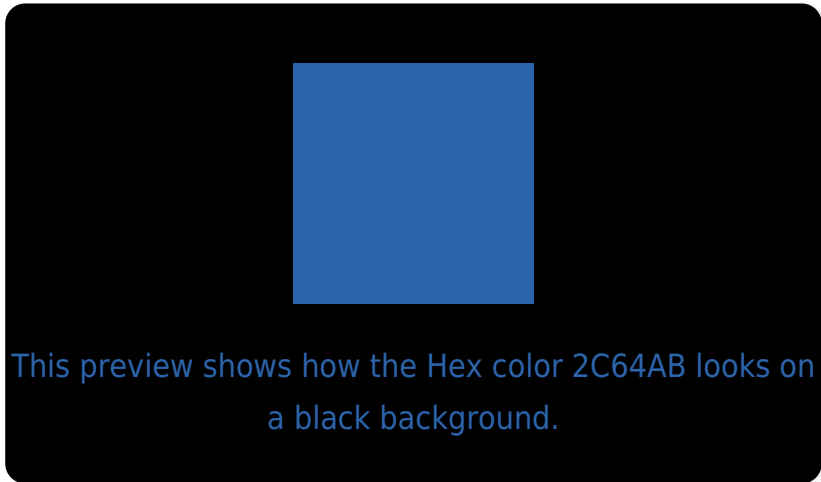
Large Text (above 18pt) WCAG AA ✓ Pass

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 2C64AB Background



This preview shows how black text looks on a background with the Hex color 2C64AB.

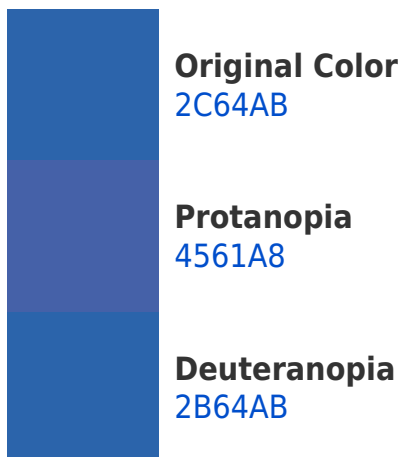


This preview shows how white text looks on a background with the Hex color 2C64AB.

# 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](#).

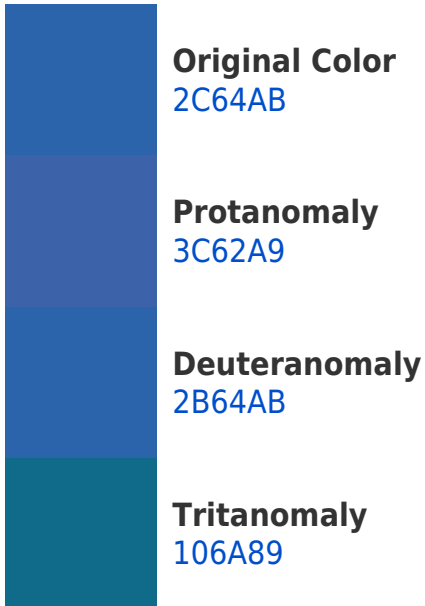
## Dichromacy



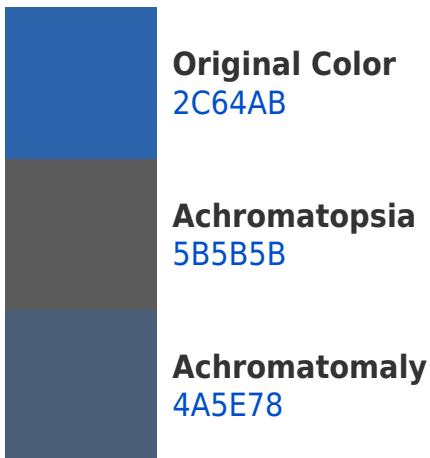


**Tritanopia**  
006E76

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C64AB 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 #2C64AB looks like.

```
.text, #text, p{  
    color:#2C64AB  
}
```

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 #2C64AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C64AB
}
```

## Border

The CSS property to change the border of an element to Hex 2C64AB 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
#2C64AB }
```

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

```
.border{ border-color:#2C64AB }
```

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

Here you see how a box with a 4 pixel #2C64AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C64AB; -webkit-box-shadow:4px 4px  
4px 4px #2C64AB; box-shadow:4px 4px 4px  
4px #2C64AB }
```

# Background

The CSS property to change the background color of an element to Hex 2C64AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C64AB }
```

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

```
.background{ background-color:#2C64AB }
```

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