

# Converting Colors

Hex(2642B4)

Have a look what the booklet for  
Hex(2642B4) contains.

<b>Hex(2642B4)</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(2642B4)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2642B4
RGB	38, 66, 180
RGB Percent	15%, 26%, 71%
CMY	0.8510, 0.7412, 0.2941
CMYK	0.79, 0.63, 0.00, 0.29
HSL	228°, 65%, 43%
HSV	228°, 79%, 71%
XYZ	10.9858, 7.6038, 44.0687
YIQ	70.6240, -53.2820, 29.5180

# Conversions

## Conversions Part 2

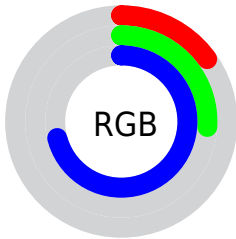
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	38, 61, 180
Decimal	2507444
CIE <sub>Lab</sub>	33.14, 31.73, -63.21
CIE <sub>LCh</sub>	33, 70.727, 296.656
Yxy	7.6038, 0.1753, 0.1214
Android (android.graphics.Color)	4280697524 (0xFF2642B4)
YUV	70.6240, 53.9224, -28.6112
Hunter-Lab	27.5750, 22.8575, -75.4513

# Details

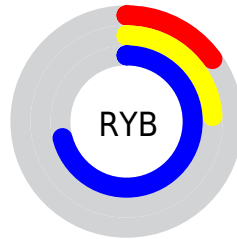
The Hex color **2642B4** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **B49826**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **6B72ED**, and **00187E** is the 20% darker color. If you saturate the color by 10%, you get **1434B4**, and if you desaturate by 10%, it is **3850B4**.

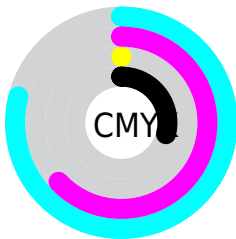
# Distribution



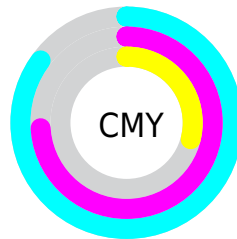
- Red (15%)
- Green (26%)
- Blue (71%)



- Red (15%)
- Yellow (24%)
- Blue (71%)



- Cyan (79%)
- Magenta (63%)
- Yellow (0%)
- Black (29%)



- Cyan (85%)
- Magenta (74%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2642B4 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 2642B4 by changing the saturation by 10% instead.



■ 2642B4

■ 2642B4

FFFFFF

■ 002C99

■ 6B72ED

■ 00187E

■ 898BFF

■ 000264

■ A6A5FF

■ 00074B

■ C4C1FF

■ 000434

■ E2DCFF

■ 00021E

■ FFF9FF

■ 000000

■ 2642B4

■ 2642B4

■ 1434B4

■ 3850B4

0225B4

4A5FB4

0023B4

5C6DB4

6E7CB4

808AB4

9299B4

A4A7B4

B6B6B4

C8C4B4

# Harmonies

## Analogous

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



0058C0



2642B4



88148D

# Triad

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



2642B4



8E2D00



006346

# Complementary

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



2642B4



B49826

# 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.



006000



2642B4



654A00

# Square

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



2642B4



A70020



2E5900



00647F

# Rectangle

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



2642B4



A10069



2E5900



006232



# Sweetspot

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



2642B4



B2BDEB



26B498



535A75



F5F5F5



757575



# Same Dimension

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



2642B4



0C38EB



5126B4



505259



001E99



00051A



# Inverse Universe

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



B42642



EB0C38



89B426



595052



99001E



1A0005



# Previews

## White Background



This preview shows how the Hex color 2642B4 looks on a white background.

## Color Contrast Check

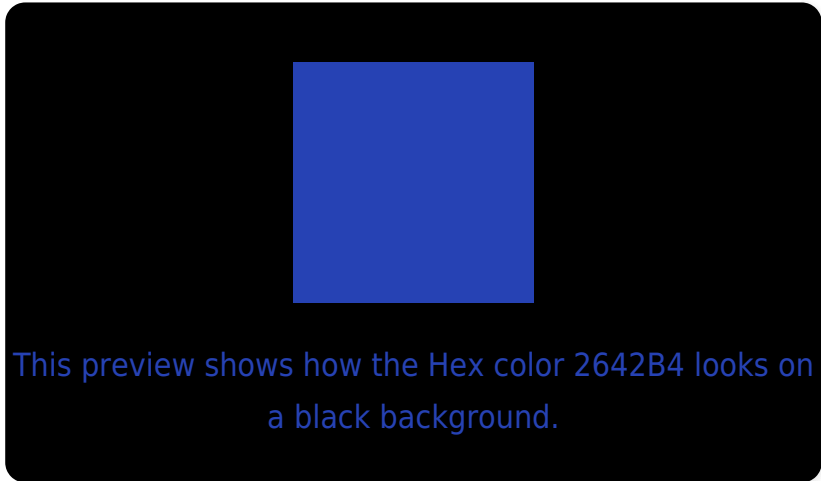
Large Text (above 18pt) WCAG AA ✓ Pass

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

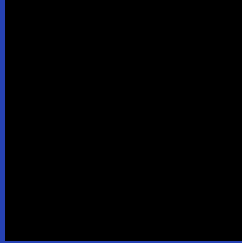
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2642B4 Background



This preview shows how black text looks on a background with the Hex color 2642B4.

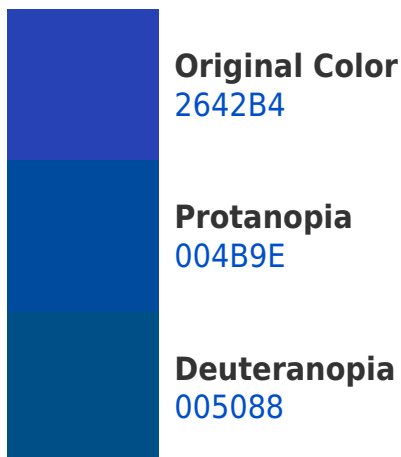



This preview shows how white text looks on a background with the Hex color 2642B4.

# 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**  
00565C

# Trichromacy



**Original Color**  
2642B4

**Protanomaly**  
0E48A6

**Deuteranomaly**  
0E4B98

**Tritanomaly**  
0E4F7C

# Monochromacy



**Original Color**  
2642B4

**Achromatopsia**  
474747

**Achromatomaly**  
3B456F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2642B4 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 #2642B4 looks like.

```
.text, #text, p{  
    color:#2642B4  
}
```

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 #2642B4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2642B4
}
```

## Border

The CSS property to change the border of an element to Hex 2642B4 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".

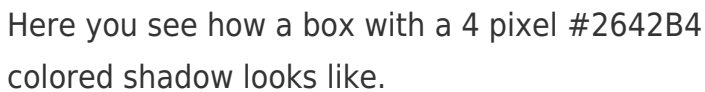
```
.border, #border, table{ border:4px solid
#2642B4 }
```

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

```
.border{ border-color:#2642B4 }
```

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

Here you see how a box with a 4 pixel #2642B4 colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2642B4; -webkit-box-shadow:4px 4px  
4px 4px #2642B4; box-shadow:4px 4px 4px  
4px #2642B4 }
```

# Background

The CSS property to change the background color of an element to Hex 2642B4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2642B4 }
```

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

```
.background{ background-color:#2642B4 }
```

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