

# Converting Colors

Hex(253B82)

Have a look what the booklet for  
Hex(253B82) contains.

<b>Hex(253B82)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(253B82)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	253B82
RGB	37, 59, 130
RGB Percent	15%, 23%, 51%
CMY	0.8549, 0.7686, 0.4902
CMYK	0.72, 0.55, 0.00, 0.49
HSL	226°, 56%, 33%
HSV	226°, 72%, 51%
XYZ	6.3562, 5.1329, 21.7748
YIQ	60.5160, -35.9030, 17.4170

# Conversions

## Conversions Part 2

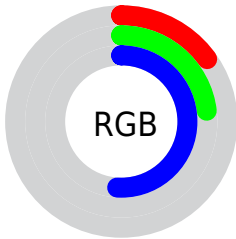
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 55, 130
Decimal	2440066
CIE <sub>Lab</sub>	27.11, 17.13, -42.63
CIE <sub>LCh</sub>	27, 45.943, 291.892
Yxy	5.1329, 0.1911, 0.1543
Android (android.graphics.Color)	4280630146 (0xFF253B82)
YUV	60.5160, 34.2556, -20.6235
Hunter-Lab	22.6560, 10.4304, -41.1248

# Details

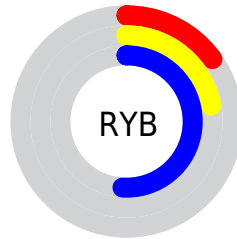
The Hex color **253B82** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **826C25**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **5E6AB8**, and **001250** is the 20% darker color. If you saturate the color by 10%, you get **183182**, and if you desaturate by 10%, it is **324582**.

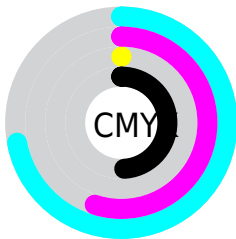
# Distribution



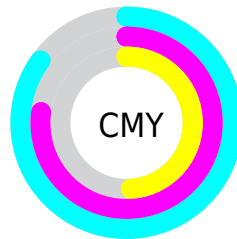
- Red (15%)
- Green (23%)
- Blue (51%)



- Red (15%)
- Yellow (22%)
- Blue (51%)



- Cyan (72%)
- Magenta (55%)
- Yellow (0%)
- Black (49%)



- Cyan (85%)
- Magenta (77%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 253B82 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 253B82 by changing the saturation by 10% instead.



■ 253B82

■ 253B82

FFFFFF

■ 002668

■ 5E6AB8

■ 001250

■ 7A83D4

■ 000238

■ 959DF0

■ 000222

■ B1B8FF

■ 000008

■ CED3FF

■ 000000

■ EBF0FF

■ 253B82

■ 253B82

■ 183182

■ 324582

■ 0B2782

■ 3F4F82

■ 001F82

■ 4C5982

■ 596382

■ 666D82

■ 737782

■ 808082

■ 8D8A82

■ 9A9482

# Harmonies

## Analogous

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



004786



253B82



60296C

# Triad

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



253B82



6F2B05



004F35

# Complementary

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



253B82



826C25

# 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.



004C0F



253B82



573B00

# Square

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



253B82



7C1928



374600



004F59

# Rectangle

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



253B82



731B57



374600



004E29



# Sweetspot

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



253B82



858DA8



25826B



3F4454



D4D4D4



545454



# Same Dimension

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



253B82



183AA8



3C2582



393B40



001E80



000000



# Inverse Universe

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



82253B



A8183A



6B8225



40393B



80001E



000000



# Previews

## White Background



This preview shows how the Hex color 253B82 looks on a white background.

## Color Contrast Check

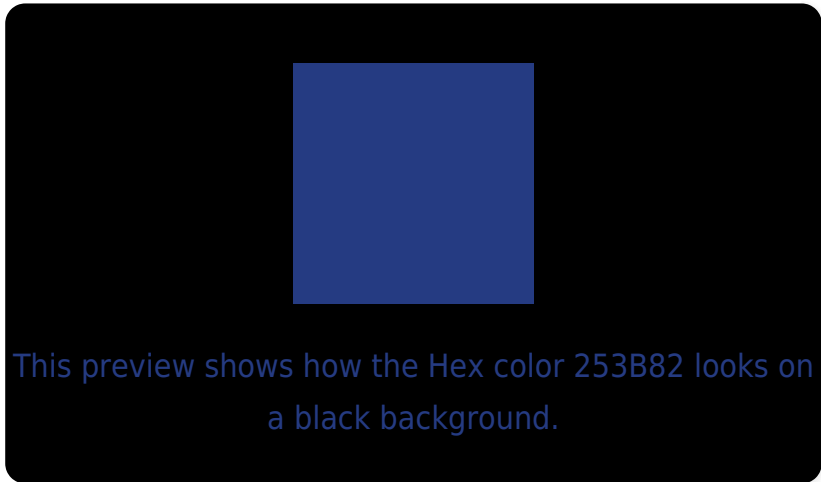
Large Text (above 18pt) WCAG AA ✓ Pass

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

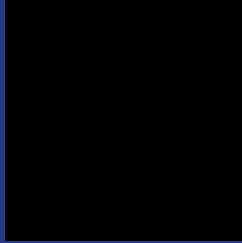
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 253B82 Background



This preview shows how black text looks on a background with the Hex color 253B82.



This preview shows how white text looks on a background with the Hex color 253B82.

# 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**  
253B82

**Protanopia**  
003E83

**Deuteranopia**  
004271



**Tritanopia**  
00474C

# Trichromacy



**Original Color**  
253B82

**Protanomaly**  
0D3D83

**Deuteranomaly**  
0D3F77

**Tritanomaly**  
0D4360

# Monochromacy



**Original Color**  
253B82

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
343C56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 253B82 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 #253B82 looks like.

```
.text, #text, p{  
    color:#253B82  
}
```

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 #253B82 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #253B82
}
```

## Border

The CSS property to change the border of an element to Hex 253B82 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
#253B82 }
```

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

```
.border{ border-color:#253B82 }
```

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

Here you see how a box with a 4 pixel #253B82 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #253B82; -webkit-box-shadow:4px 4px  
4px 4px #253B82; box-shadow:4px 4px 4px  
4px #253B82 }
```

# Background

The CSS property to change the background color of an element to Hex 253B82 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#253B82 }
```

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

```
.background{ background-color:#253B82 }
```

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