

# Converting Colors

Hex(42215B)

Have a look what the booklet for  
Hex(42215B) contains.

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# Color

**Hex(42215B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42215B
RGB	66, 33, 91
RGB Percent	26%, 13%, 36%
CMY	0.7412, 0.8706, 0.6431
CMYK	0.27, 0.64, 0.00, 0.64
HSL	274°, 47%, 24%
HSV	274°, 64%, 36%
XYZ	4.6790, 3.0013, 10.2302
YIQ	49.4790, 1.0500, 25.0340

# Conversions

## Conversions Part 2

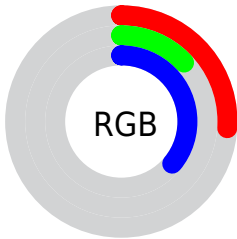
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 33, 91
Decimal	4333915
CIELab	20.05, 27.86, -28.77
CIELCh	20, 40.051, 314.085
Yxy	3.0013, 0.2612, 0.1676
Android (android.graphics.Color)	4282523995 (0xFF42215B)
YUV	49.4790, 20.4699, 14.4889
Hunter-Lab	17.3242, 17.8920, -22.8847

# Details

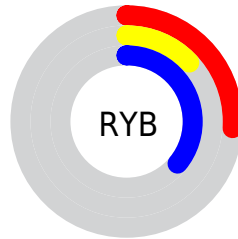
The Hex color **42215B** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **3A5B21**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **744F8E**, and **19002D** is the 20% darker color. If you saturate the color by 10%, you get **3E185B**, and if you desaturate by 10%, it is **462A5B**.

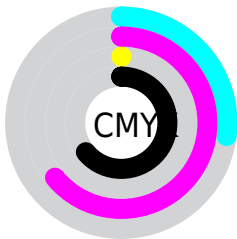
# Distribution



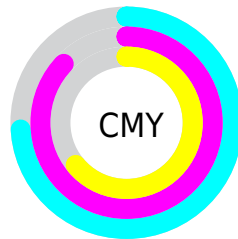
- Red (26%)
- Green (13%)
- Blue (36%)



- Red (26%)
- Yellow (13%)
- Blue (36%)



- Cyan (27%)
- Magenta (64%)
- Yellow (0%)
- Black (64%)



- Cyan (74%)
- Magenta (87%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42215B 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 42215B by changing the saturation by 10% instead.



■ 42215B

■ 42215B

FFFFFF

■ 2A0B43

■ 744F8E

■ 19002D

■ 8E68A8

■ 000117

■ A981C4

■ 000000

■ C59BE0

■ E1B7FC

■ FED2FF

■ FFEFFF

■ 42215B

■ 42215B

■ 3E185B

■ 462A5B

■ 3A0F5B

■ 4A335B

■ 36065B

■ 4E3C5B

■ 34005B

■ 52455B

■ 564F5B

■ 5A585B

■ 5D615B

■ 616A5B

■ 65735B

# Harmonies

## Analogous

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



002F6A



42215B



5C0F41

# Triad

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



42215B



492900



003D3E

# Complementary

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



42215B



3A5B21

# 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.



003C1F



42215B



303300

# Square

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



42215B



5B1A05



0A3900



003C59

# Rectangle

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



42215B



62082E



0A3900



003D34



# Sweetspot

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



42215B



6C5F75



213A5B



352D3B



BABABA



3B3B3B



# Same Dimension

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



42215B



4F1C75



5B2157



2C292E



3E006E



8700ED



# Inverse Universe

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



5B213A



751C43



215B25



2E292B



6E002F

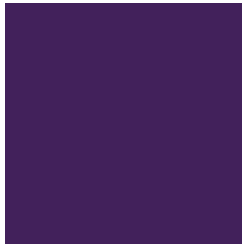


ED0066



# Previews

## White Background



This preview shows how the Hex color 42215B 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

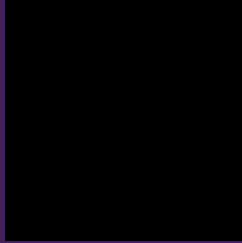
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 42215B Background



This preview shows how black text looks on a background with the Hex color 42215B.



This preview shows how white text looks on a background with the Hex color 42215B.

# 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](#).

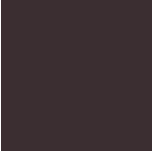
## Dichromacy



**Original Color**  
42215B

**Protanopia**  
002F65

**Deuteranopia**  
0C3258



**Tritanopia**  
3B2E31

# Trichromacy



**Original Color**  
42215B

**Protanomaly**  
182A61

**Deuteranomaly**  
202C59

**Tritanomaly**  
3E2940

# Monochromacy



**Original Color**  
42215B

**Achromatopsia**  
313131

**Achromatomaly**  
372B40

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42215B 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 #42215B looks like.

```
.text, #text, p{  
    color:#42215B  
}
```

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 #42215B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42215B
}
```

## Border

The CSS property to change the border of an element to Hex 42215B is called "border". The border property can be set on classes, ids or directly on the HTML element.

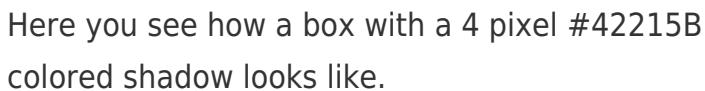
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#42215B }
```

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

```
.border{ border-color:#42215B }
```

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



Here you see how a box with a 4 pixel #42215B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42215B; -webkit-box-shadow:4px 4px  
4px 4px #42215B; box-shadow:4px 4px 4px  
4px #42215B }
```

# Background

The CSS property to change the background color of an element to Hex 42215B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42215B }
```

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

```
.background{ background-color:#42215B }
```

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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