

Converting Colors

Hex(213A80)

Have a look what the booklet for
Hex(213A80) contains.

Hex(213A80)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(213A80)

Conversions

Conversions Part 1	
Format	Color
Hex	213A80
RGB	33, 58, 128
RGB Percent	13%, 23%, 50%
CMY	0.8706, 0.7725, 0.4980
CMYK	0.74, 0.55, 0.00, 0.50
HSL	224°, 59%, 32%
HSV	224°, 74%, 50%
XYZ	6.0365, 4.9080, 21.0512
YIQ	58.5050, -37.3700, 16.4700

Conversions

Conversions Part 2

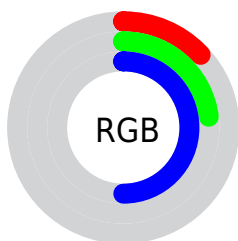
Format	Color
RYB	33, 53, 128
Decimal	2177664
CIELab	26.47, 16.43, -42.42
CIELCh	26, 45.490, 291.166
Yxy	4.9080, 0.1887, 0.1534
Android (android.graphics.Color)	4280367744 (0xFF213A80)
YUV	58.5050, 34.2610, -22.3679
Hunter-Lab	22.1539, 9.8687, -40.8312

Details

The Hex color **213A80** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **806721**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **5B69B5**, and **00114E** is the 20% darker color. If you saturate the color by 10%, you get **143180**, and if you desaturate by 10%, it is **2E4380**.

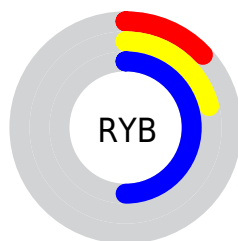
Distribution



Red (13%)

Green (23%)

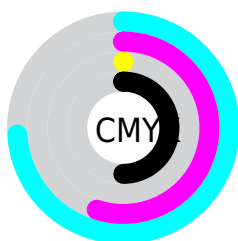
Blue (50%)



Red (13%)

Yellow (21%)

Blue (50%)

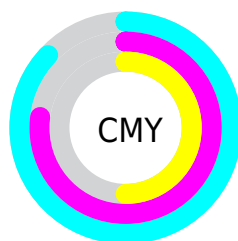


Cyan (74%)

Magenta (55%)

Yellow (0%)

Black (50%)



Cyan (87%)

Magenta (77%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Hex color 213A80 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 213A80 by changing the saturation by 10% instead.

 213A80

FFFFFF

 5B69B5

 7782D1

 929CEE

 AEB6FF

 CBD2FF

 E8EEFF

 213A80

 002566

 00114E

 000437

 000220

 000005

 000000

 213A80

 143180

 213A80

 2E4380


 072780

 3B4D80

 002280

 475680

 546080

 616980

 6E7380

 7B7C80

 878580

 948F80

Harmonies

Analogous

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



004684



213A80



5D286B

Triad

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



213A80



6D2905



004D33

Complementary

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



213A80



806721

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.



004A0D



213A80



563900

Square

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



213A80



7A1728



364400



004E57

Rectangle

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



213A80



701B56



364400



004C27

Sweetspot

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



213A80



818BA6



218067



3E4454



D4D4D4



545454

Same Dimension

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



213A80



1239A6



372180



393B40



002280



000000

Inverse Universe

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



80213A



A61239



6A8021



40393B



800022



000000

Previews

White Background



This preview shows how the Hex color 213A80 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



This preview shows how the Hex color 213A80 looks on a 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 213A80 Background



This preview shows how black text looks on a background with the Hex color 213A80.



This preview shows how white text looks on a background with the Hex color 213A80.

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
213A80

Protanopia
003C80

Deuteranopia
00406F






Tritanopia
00464A

Trichromacy

	Original Color 213A80
	Protanomaly 0C3B80
	Deuteranomaly 0C3E75
	Tritanomaly 0C425E

Monochromacy

	Original Color 213A80
	Achromatopsia 3B3B3B
	Achromatomaly 323B54

CSS Examples

Text

The CSS property to change the color of the text to Hex 213A80 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 #213A80 looks like.

```
.text, #text, p{  
    color:#213A80  
}
```

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 #213A80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #213A80
}
```

Border

The CSS property to change the border of an element to Hex 213A80 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
#213A80 }
```

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

```
.border{ border-color:#213A80 }
```

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

Here you see how a box with a 4 pixel #213A80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #213A80; -webkit-box-shadow:4px 4px  
4px 4px #213A80; box-shadow:4px 4px 4px  
4px #213A80 }
```

Background

The CSS property to change the background color of an element to Hex 213A80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#213A80 }
```

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

```
.background{ background-color:#213A80 }
```

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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