

# Converting Colors

Hex(22336A)

Have a look what the booklet for  
Hex(22336A) contains.

<b>Hex(22336A)</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(22336A)

# Conversions

## Conversions Part 1

Format	Color
Hex	22336A
RGB	34, 51, 106
RGB Percent	13%, 20%, 42%
CMY	0.8667, 0.8000, 0.5843
CMYK	0.68, 0.52, 0.00, 0.58
HSL	226°, 51%, 27%
HSV	226°, 68%, 42%
XYZ	4.4450, 3.7483, 14.1249
YIQ	52.1870, -27.7870, 13.5010

# Conversions

## Conversions Part 2

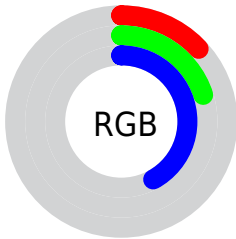
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 48, 106
Decimal	2241386
CIE <sub>Lab</sub>	22.82, 12.81, -34.31
CIE <sub>LCh</sub>	23, 36.624, 290.471
Yxy	3.7483, 0.1992, 0.1679
Android (android.graphics.Color)	4280431466 (0xFF22336A)
YUV	52.1870, 26.5298, -15.9500
Hunter-Lab	19.3606, 7.1009, -29.7036




# Details

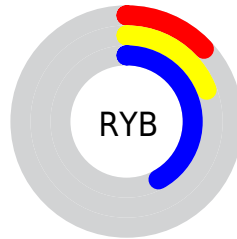
The Hex color **22336A** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **6A5922**, and the grayscale version is **343434**.




A 20% lighter version of the original color is **57619E**, and **00053A** is the 20% darker color. If you saturate the color by 10%, you get **172B6A**, and if you desaturate by 10%, it is **2D3B6A**.

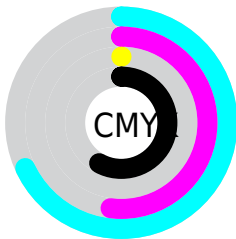
# Distribution







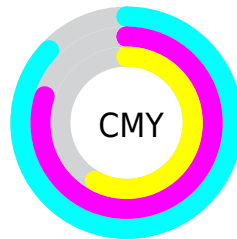
-  Red (13%)
-  Green (20%)
-  Blue (42%)






-  Red (13%)
-  Yellow (19%)
-  Blue (42%)



-  Cyan (68%)
-  Magenta (52%)
-  Yellow (0%)
-  Black (58%)



-  Cyan (87%)
-  Magenta (80%)
-  Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22336A 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 22336A by changing the saturation by 10% instead.



■ 22336A

■ 22336A

FFFFFF

■ 001E51

■ 57619E

■ 00053A

■ 717AB9

■ 000224

■ 8C93D5

■ 00000B

■ A8AEF1

■ 000000

■ C4C9FF

■ E0E5FF

■ FDFFFF

■ 22336A

■ 22336A

■ 172B6A

■ 2D3B6A

■ 0D236A

■ 37436A

■ 021B6A

■ 424B6A

■ 00196A

■ 4C536A

■ 575B6A

■ 62646A

■ 6C6C6A

■ 77746A

■ 817C6A

# Harmonies

## Analogous

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



003C6D



22336A



4E265A

# Triad

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



22336A



5D260B



00422D

# Complementary

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



22336A



6A5922

# 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.



0A4011



22336A



4B3200

# Square

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



22336A



661B25



323B00



004349

# Rectangle

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



22336A



5E1D49



323B00



004223



# Sweetspot

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



22336A



6E758A



226A58



343845



C4C4C4



454545



# Same Dimension

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



22336A



19338A



34226A



303136



001C75



003AF5



# Inverse Universe

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



6A2233



8A1933



586A22



363031



75001C



F5003A



# Previews

## White Background



This preview shows how the Hex color 22336A looks on a white background.

## Color Contrast Check

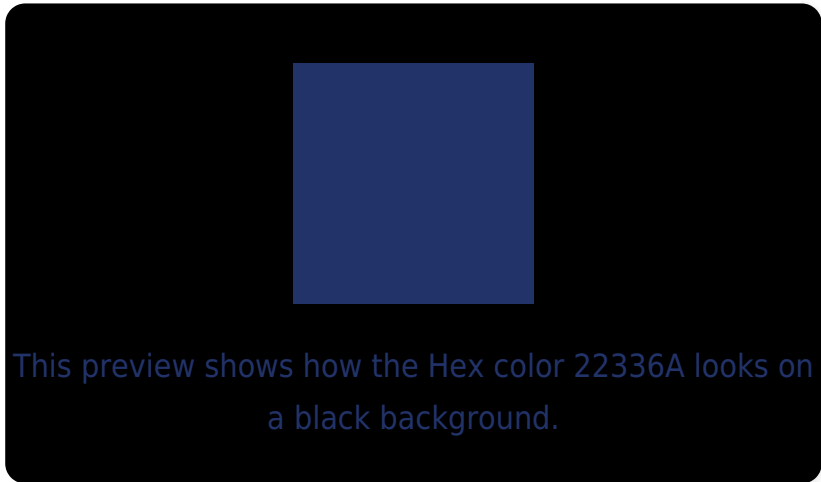
Large Text (above 18pt) WCAG AA ✓ Pass

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

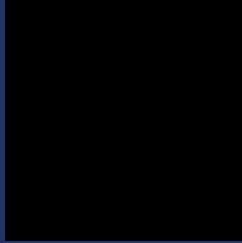
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 22336A Background



This preview shows how black text looks on a background with the Hex color 22336A.



This preview shows how white text looks on a background with the Hex color 22336A.

# 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**  
22336A

**Protanopia**  
13356C

**Deuteranopia**  
003861



**Tritanopia**  
003D41

# Trichromacy



**Original Color**  
22336A

**Protanomaly**  
18346B

**Deuteranomaly**  
0C3664

**Tritanomaly**  
0C3950

# Monochromacy



**Original Color**  
22336A

**Achromatopsia**  
343434

**Achromatomaly**  
2D3448

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22336A 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 #22336A looks like.

```
.text, #text, p{  
    color:#22336A  
}
```

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 #22336A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22336A
}
```

## Border

The CSS property to change the border of an element to Hex 22336A 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
#22336A }
```

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

```
.border{ border-color:#22336A }
```

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

Here you see how a box with a 4 pixel #22336A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22336A; -webkit-box-shadow:4px 4px  
4px 4px #22336A; box-shadow:4px 4px 4px  
4px #22336A }
```

# Background

The CSS property to change the background color of an element to Hex 22336A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22336A }
```

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

```
.background{ background-color:#22336A }
```

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