

Converting Colors

Hex(2437A1)

Have a look what the booklet for
Hex(2437A1) contains.

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Color

Hex(2437A1)

Conversions

Conversions Part 1

Format	Color
Hex	2437A1
RGB	36, 55, 161
RGB Percent	14%, 22%, 63%
CMY	0.8588, 0.7843, 0.3686
CMYK	0.78, 0.66, 0.00, 0.37
HSL	231°, 63%, 39%
HSV	231°, 78%, 63%
XYZ	8.5268, 5.6807, 34.3653
YIQ	61.4030, -45.3500, 28.9380

Conversions

Conversions Part 2

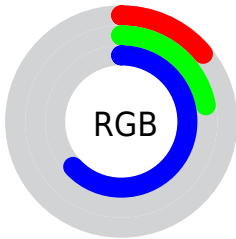
Format	Color
R_{YB}	36, 52, 161
Decimal	2373537
CIE _{Lab}	28.59, 31.62, -59.29
CIE _{LCh}	29, 67.194, 298.075
Yxy	5.6807, 0.1755, 0.1170
Android (android.graphics.Color)	4280563617 (0xFF2437A1)
YUV	61.4030, 49.1013, -22.2784
Hunter-Lab	23.8341, 22.1495, -68.8035

Details

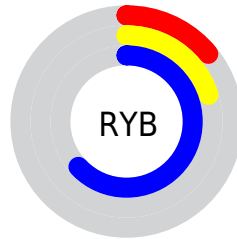
The Hex color **2437A1** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A18E24**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **6666D9**, and **000F6C** is the 20% darker color. If you saturate the color by 10%, you get **1429A1**, and if you desaturate by 10%, it is **3445A1**.

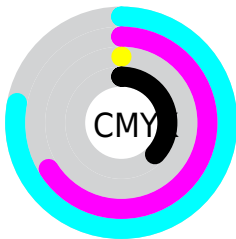
Distribution



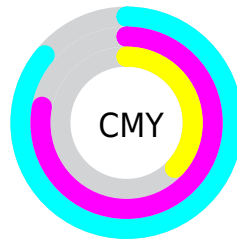
- Red (14%)
- Green (22%)
- Blue (63%)



- Red (14%)
- Yellow (20%)
- Blue (63%)



- Cyan (78%)
- Magenta (66%)
- Yellow (0%)
- Black (37%)



- Cyan (86%)
- Magenta (78%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2437A1 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 2437A1 by changing the saturation by 10% instead.

■ 2437A1

■ 2437A1

FFFFFF

■ 002286

■ 6666D9

■ 000F6C

■ 837FF6

■ 000053

■ A099FF

■ 00063B

■ BDB4FF

■ 000224

■ DBCFFF

■ 00000C

■ F9EBFF

■ 000000

■ 2437A1

■ 2437A1

■ 1429A1

■ 3445A1

■ 041CA1

■ 4452A1

■ 0018A1

■ 5460A1

■ 646EA1

■ 757BA1

■ 8589A1

■ 9597A1

■ A5A4A1

■ B5B2A1

Harmonies

Analogous

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



004CAE



2437A1



7B027B

Triad

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



2437A1



7D2600



00573F

Complementary

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



2437A1



A18E24

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.



005400



2437A1



564100

Square

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



2437A1



950017



204E00



005874

Rectangle

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



2437A1



91005A



204E00



00562C

Sweetspot

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



2437A1



A1A8D1



24A18C



4B5069



E8E8E8



696969

Same Dimension

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



2437A1



0F2CD1



4E24A1



494B52



001691



000312

Inverse Universe

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



A12437



D10F2C



77A124



52494B



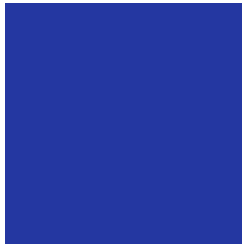
910016



120003

Previews

White Background



This preview shows how the Hex color 2437A1 looks on a white background.

Color Contrast Check

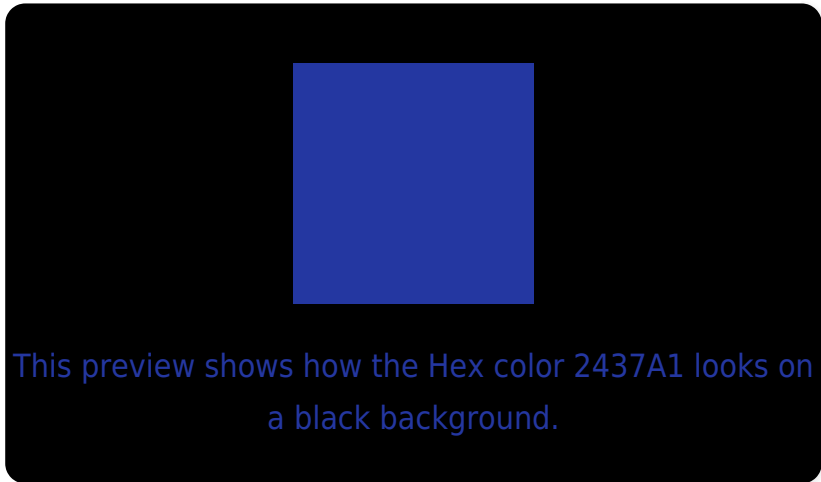
Large Text (above 18pt) WCAG AA ✓ Pass

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

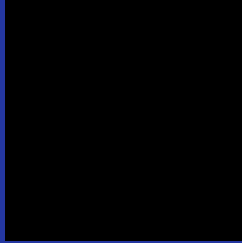
Any Text WCAG AA × Fail

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 2437A1 Background



This preview shows how black text looks on a background with the Hex color 2437A1.



This preview shows how white text looks on a background with the Hex color 2437A1.

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
2437A1

Protanopia
004189

Deuteranopia
004575



Tritanopia
004B4F

Trichromacy



Original Color
2437A1

Protanomaly
0D3D92

Deuteranomaly
0D4085

Tritanomaly
0D446D

Monochromacy



Original Color
2437A1

Achromatopsia
3D3D3D

Achromatomaly
343B61

CSS Examples

Text

The CSS property to change the color of the text to Hex 2437A1 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 #2437A1 looks like.

```
.text, #text, p{  
    color:#2437A1  
}
```

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 #2437A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2437A1
}
```

Border

The CSS property to change the border of an element to Hex 2437A1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

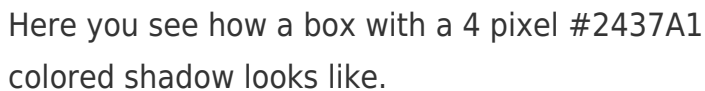
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2437A1 }
```

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

```
.border{ border-color:#2437A1 }
```

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



Here you see how a box with a 4 pixel #2437A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2437A1; -webkit-box-shadow:4px 4px  
4px 4px #2437A1; box-shadow:4px 4px 4px  
4px #2437A1 }
```

Background

The CSS property to change the background color of an element to Hex 2437A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2437A1 }
```

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

```
.background{ background-color:#2437A1 }
```

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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