

# Converting Colors

Hex(1230A2)

Have a look what the booklet for  
Hex(1230A2) contains.

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# Color

Hex(1230A2)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1230A2
RGB	18, 48, 162
RGB Percent	7%, 19%, 64%
CMY	0.9294, 0.8118, 0.3647
CMYK	0.89, 0.70, 0.00, 0.36
HSL	228°, 80%, 35%
HSV	228°, 89%, 64%
XYZ	7.8280, 4.8511, 34.7062
YIQ	52.0260, -54.4740, 29.0940

# Conversions

## Conversions Part 2

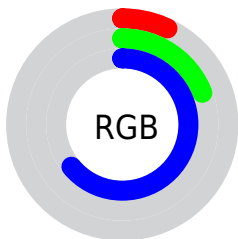
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 43, 162
Decimal	1192098
CIE <sub>Lab</sub>	26.31, 35.19, -63.68
CIE <sub>LCh</sub>	26, 72.752, 298.923
Yxy	4.8511, 0.1652, 0.1024
Android (android.graphics.Color)	4279382178 (0xFF1230A2)
YUV	52.0260, 54.2172, -29.8408
Hunter-Lab	22.0253, 24.8963, -78.0081

# Details

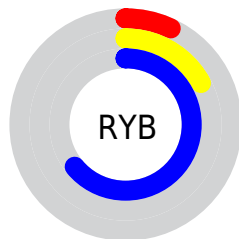
The Hex color **1230A2** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A28412**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **5E5EDA**, and **00086D** is the 20% darker color. If you saturate the color by 10%, you get **0223A2**, and if you desaturate by 10%, it is **223DA2**.

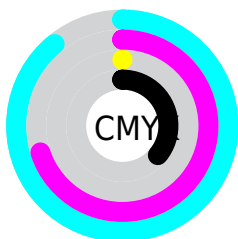
# Distribution



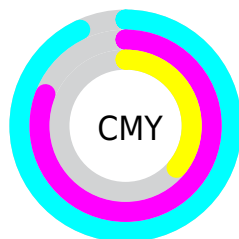
- Red (7%)
- Green (19%)
- Blue (64%)



- Red (7%)
- Yellow (17%)
- Blue (64%)



- Cyan (89%)
- Magenta (70%)
- Yellow (0%)
- Black (36%)



- Cyan (93%)
- Magenta (81%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1230A2 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 1230A2 by changing the saturation by 10% instead.



■ 1230A2

■ 1230A2

FFFFFF

■ 001B87

■ 5E5EDA

■ 00086D

■ 7C77F7

■ 000054

■ 9A91FF

■ 00063C

■ B7ABFF

■ 000225

■ D5C7FF

■ 00010D

■ F3E3FF

■ 000000

■ 1230A2

■ 1230A2

■ 0223A2

■ 223DA2

■ 0022A2

■ 324AA2

■ 4356A2

■ 5363A2

■ 6370A2

■ 737DA2

■ 838AA2

■ 9497A2

■ A4A3A2

# Harmonies

## Analogous

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



0048B1



1230A2



7A0079

# Triad

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



1230A2



781E00



00523B

# Complementary

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



1230A2



A28412

# 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.



004F00



1230A2



4F3C00

# Square

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



1230A2



92000D



0D4900



005373

# Rectangle

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



1230A2



910055



0D4900



005127



# Sweetspot

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



1230A2



9BA6D4



12A283



49506B



EBEBEB



6B6B6B



# Same Dimension

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



1230A2



002CD4



3B12A2



494B52



001E91



000412



# Inverse Universe

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



A21230



D4002C



79A212



52494B



91001E

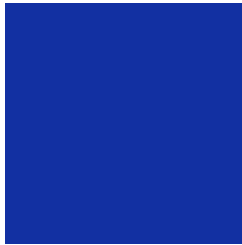


120004



# Previews

## White Background



This preview shows how the Hex color 1230A2 looks on a white background.

## Color Contrast Check

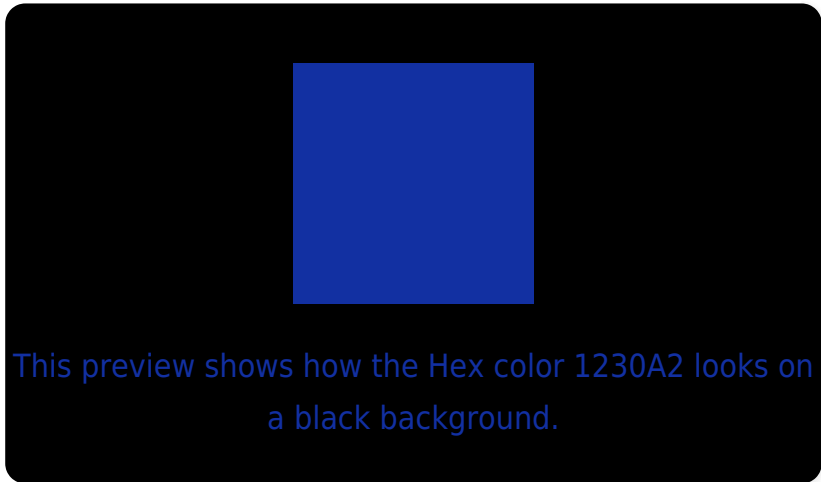
Large Text (above 18pt) WCAG AA ✓ Pass

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

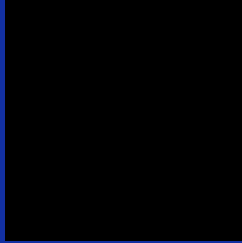
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1230A2 Background



This preview shows how black text looks on a background with the Hex color 1230A2.



This preview shows how white text looks on a background with the Hex color 1230A2.

# 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**  
1230A2

**Protanopia**  
003C7F

**Deuteranopia**  
00406C



# Trichromacy



**Original Color**  
1230A2

**Protanomaly**  
07388C

**Deuteranomaly**  
073A80

**Tritanomaly**  
073D69

# Monochromacy



**Original Color**  
1230A2

**Achromatopsia**  
343434

**Achromatomaly**  
28335C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1230A2 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 #1230A2 looks like.

```
.text, #text, p{  
    color:#1230A2  
}
```

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 #1230A2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1230A2
}
```

## Border

The CSS property to change the border of an element to Hex 1230A2 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
#1230A2 }
```

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

```
.border{ border-color:#1230A2 }
```

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

Here you see how a box with a 4 pixel #1230A2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1230A2; -webkit-box-shadow:4px 4px  
4px 4px #1230A2; box-shadow:4px 4px 4px  
4px #1230A2 }
```

# Background

The CSS property to change the background color of an element to Hex 1230A2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1230A2 }
```

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

```
.background{ background-color:#1230A2 }
```

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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