

Converting Colors

Hex(232DAA)

Have a look what the booklet for
Hex(232DAA) contains.

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Color

Hex(232DAA)

Conversions

Conversions Part 1

Format	Color
Hex	232DAA
RGB	35, 45, 170
RGB Percent	14%, 18%, 67%
CMY	0.8627, 0.8235, 0.3333
CMYK	0.79, 0.74, 0.00, 0.33
HSL	236°, 66%, 40%
HSV	236°, 79%, 67%
XYZ	8.8872, 5.1364, 38.5532
YIQ	56.2600, -46.0850, 36.7550

Conversions

Conversions Part 2

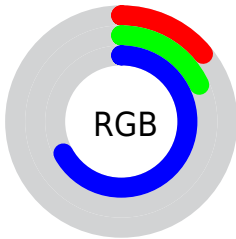
Format	Color
R_{YB}	35, 44, 170
Decimal	2305450
CIE _{Lab}	27.12, 41.08, -67.15
CIE _{LCh}	27, 78.716, 301.458
Yxy	5.1364, 0.1690, 0.0977
Android (android.graphics.Color)	4280495530 (0xFF232DAA)
YUV	56.2600, 56.0738, -18.6450
Hunter-Lab	22.6636, 30.3352, -84.9943

Details

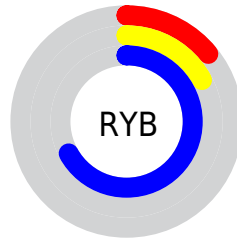
The Hex color **232DAA** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **AAA023**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **685CE2**, and **000474** is the 20% darker color. If you saturate the color by 10%, you get **121DAA**, and if you desaturate by 10%, it is **343DAA**.

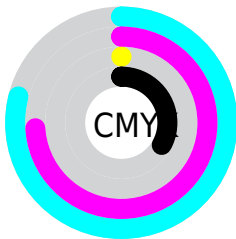
Distribution



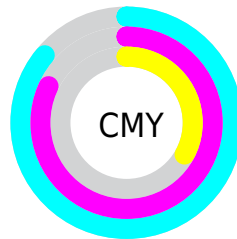
- Red (14%)
- Green (18%)
- Blue (67%)



- Red (14%)
- Yellow (17%)
- Blue (67%)



- Cyan (79%)
- Magenta (74%)
- Yellow (0%)
- Black (33%)



- Cyan (86%)
- Magenta (82%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Hex color 232DAA 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 232DAA by changing the saturation by 10% instead.

■ 232DAA

■ 232DAA

FFFFFF

■ 00178F

■ 685CE2

■ 000474

■ 8675FF

■ 00005B

■ A48FFF

■ 000742

■ C2A9FF

■ 00032B

■ E0C5FF

■ 000115

■ FEE1FF

■ 000000

FFFEFF

■ 232DAA

■ 232DAA

■ 121DAA

■ 343DAA

■ 010EAA

■ 454CAA

■ 000DAA

■ 565CAA

■ 676CAA

■ 787CAA

■ 898BAA

■ 9A9BAA

■ ABABAA

■ BCBBA

Harmonies

Analogous

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



004ABD



232DAA



85007B

Triad

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



232DAA



7A2000



005542

Complementary

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



232DAA



AAA023

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.



005200



232DAA



4D4000

Square

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



232DAA



990002



004D00



00567F

Rectangle

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



232DAA



9B0054



004D00



00542C

Sweetspot

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



232DAA



A9ADDE



23AA9F



505270



F0F0F0



707070

Same Dimension

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



232DAA



0B1BDE



5B23AA



4C4C54



000B94



000214

Inverse Universe

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



AA232D



DE0B1B



72AA23



544C4C



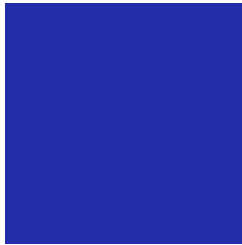
94000B



140002

Previews

White Background



This preview shows how the Hex color 232DAA looks on a white background.

Color Contrast Check

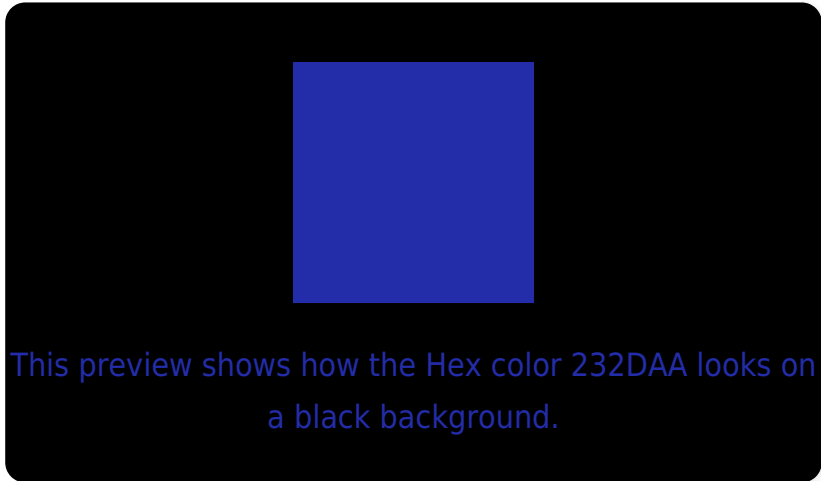
Large Text (above 18pt) WCAG AA ✓ Pass

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

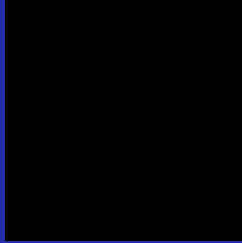
Any Text WCAG AA × Fail

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 232DAA Background



This preview shows how black text looks on a background with the Hex color 232DAA.



This preview shows how white text looks on a background with the Hex color 232DAA.

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
232DAA

Protanopia
003E82

Deuteranopia
00426F



Tritanopia
00474B

Trichromacy



Original Color
232DAA

Protanomaly
0D3891

Deuteranomaly
0D3A84

Tritanomaly
0D3E6E

Monochromacy



Original Color
232DAA

Achromatopsia
383838

Achromatomaly
303461

CSS Examples

Text

The CSS property to change the color of the text to Hex 232DAA 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 #232DAA looks like.

```
.text, #text, p{  
    color:#232DAA  
}
```

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 #232DAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #232DAA
}
```

Border

The CSS property to change the border of an element to Hex 232DAA 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
#232DAA }
```

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

```
.border{ border-color:#232DAA }
```

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

Here you see how a box with a 4 pixel #232DAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #232DAA; -webkit-box-shadow:4px 4px  
4px 4px #232DAA; box-shadow:4px 4px 4px  
4px #232DAA }
```

Background

The CSS property to change the background color of an element to Hex 232DAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#232DAA }
```

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

```
.background{ background-color:#232DAA }
```

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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