

Converting Colors

Hex(232377)

Have a look what the booklet for
Hex(232377) contains.

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Color

Hex(232377)

Conversions

Conversions Part 1

Format	Color
Hex	232377
RGB	35, 35, 119
RGB Percent	14%, 14%, 47%
CMY	0.8627, 0.8627, 0.5333
CMYK	0.71, 0.71, 0.00, 0.53
HSL	240°, 55%, 30%
HSV	240°, 71%, 47%
XYZ	4.6239, 2.8913, 17.7671
YIQ	44.5760, -26.9640, 26.1240

Conversions

Conversions Part 2

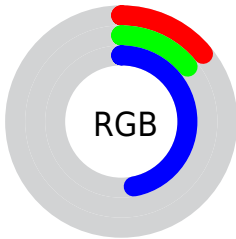
Format	Color
R_{YB}	35, 35, 119
Decimal	2302839
CIE _{Lab}	19.60, 29.07, -47.91
CIE _{LCh}	20, 56.033, 301.246
Yxy	2.8913, 0.1829, 0.1144
Android (android.graphics.Color)	4280492919 (0xFF232377)
YUV	44.5760, 36.6910, -8.3982
Hunter-Lab	17.0038, 18.7838, -50.0489

Details

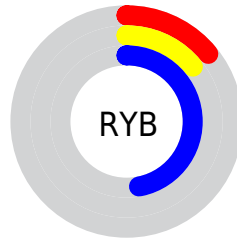
The Hex color **232377** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **777723**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **5C50AC**, and **000046** is the 20% darker color. If you saturate the color by 10%, you get **171777**, and if you desaturate by 10%, it is **2F2F77**.

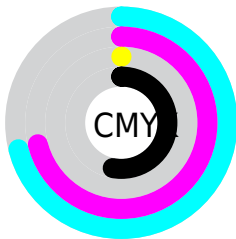
Distribution



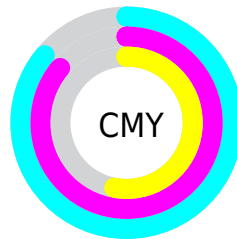
- Red (14%)
- Green (14%)
- Blue (47%)



- Red (14%)
- Yellow (14%)
- Blue (47%)



- Cyan (71%)
- Magenta (71%)
- Yellow (0%)
- Black (53%)



- Cyan (86%)
- Magenta (86%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 232377 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 232377 by changing the saturation by 10% instead.

■ 232377

■ 232377

FFFFFF

■ 000F5E

■ 5C50AC

■ 000046

■ 7768C8

■ 00042E

■ 9382E4

■ 000118

■ AF9CFF

■ 000000

■ CCB7FF

■ E9D2FF

■ FFEFFF

■ 232377

■ 232377

■ 171777

■ 2F2F77

■ 0B0B77

■ 3B3B77

■ 000077

■ 474777

■ 535377

■ 5F5F77

■ 6A6A77

■ 767677

■ 828277

■ 8E8E77

Harmonies

Analogous

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



003583



232377



5F0058

Triad

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



232377



591B00



003E30

Complementary

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



232377



777723

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.



003D00



232377



3A2F00

Square

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



232377



6E0003



0A3800



003F59

Rectangle

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



232377



6E003D



0A3800



003E22

Sweetspot

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



232377



7B7B9C



237777



3B3B4F



CFCFCF



4F4F4F

Same Dimension

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



232377



17179C



4D2377



35353B



00007A



0000FA

Inverse Universe

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



772377



9C179C



4D7723



3B353B



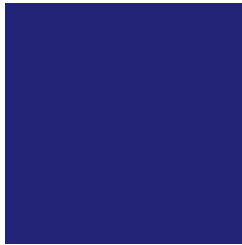
7A007A



FA00FA

Previews

White Background



This preview shows how the Hex color 232377 looks on a white background.

Color Contrast Check

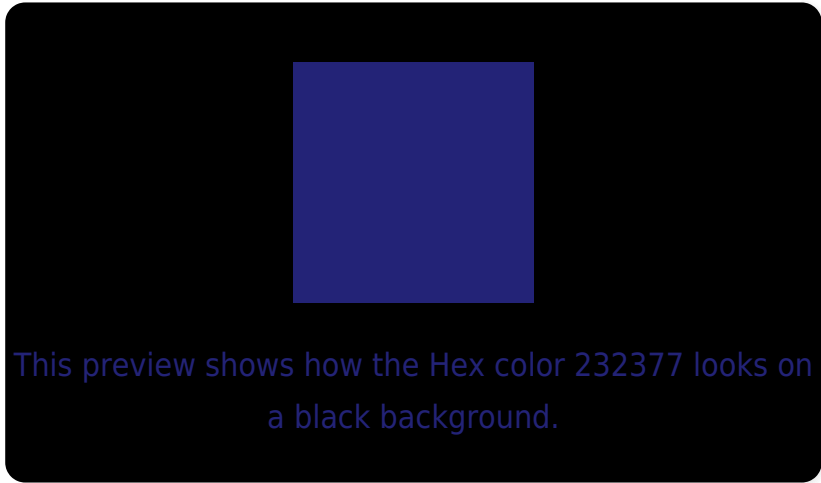
Large Text (above 18pt) WCAG AA ✓ Pass

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

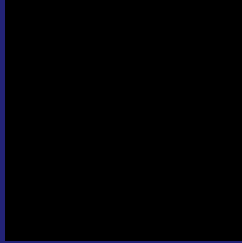
Any Text WCAG AA × Fail

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 232377 Background



This preview shows how black text looks on a background with the Hex color 232377.



This preview shows how white text looks on a background with the Hex color 232377.

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
232377

Protanopia
002E61

Deuteranopia
003153

Trichromacy



Original Color
232377

Protanomaly
0D2A69

Deuteranomaly
0D2C60

Tritanomaly
0D2E50

Monochromacy



Original Color
232377

Achromatopsia
2D2D2D

Achromatomaly
292948

CSS Examples

Text

The CSS property to change the color of the text to Hex 232377 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 #232377 looks like.

```
.text, #text, p{  
    color:#232377  
}
```

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 #232377 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #232377
}
```

Border

The CSS property to change the border of an element to Hex 232377 is called "border". The border property can be set on classes, ids or directly on the HTML element.

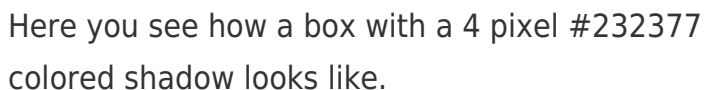
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#232377 }
```

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

```
.border{ border-color:#232377 }
```

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



Here you see how a box with a 4 pixel #232377 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #232377; -webkit-box-shadow:4px 4px  
4px 4px #232377; box-shadow:4px 4px 4px  
4px #232377 }
```

Background

The CSS property to change the background color of an element to Hex 232377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#232377 }
```

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

```
.background{ background-color:#232377 }
```

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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