

Converting Colors

Hex(232F87)

Have a look what the booklet for
Hex(232F87) contains.

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Color

Hex(232F87)

Conversions

Conversions Part 1

Format	Color
Hex	232F87
RGB	35, 47, 135
RGB Percent	14%, 18%, 53%
CMY	0.8627, 0.8157, 0.4706
CMYK	0.74, 0.65, 0.00, 0.47
HSL	233°, 59%, 33%
HSV	233°, 74%, 53%
XYZ	6.0828, 4.1396, 23.4001
YIQ	53.4440, -35.4000, 24.8240

Conversions

Conversions Part 2

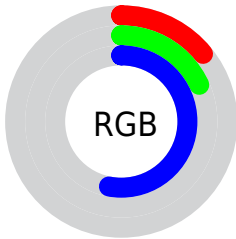
Format	Color
R_{YB}	35, 46, 135
Decimal	2305927
CIE _{Lab}	24.13, 27.03, -50.61
CIE _{LCh}	24, 57.379, 298.108
Yxy	4.1396, 0.1809, 0.1231
Android (android.graphics.Color)	4280496007 (0xFF232F87)
YUV	53.4440, 40.2071, -16.1754
Hunter-Lab	20.3461, 17.7602, -53.9474

Details

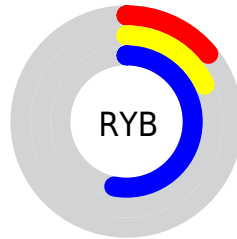
The Hex color **232F87** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **877B23**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **5F5DBD**, and **000454** is the 20% darker color. If you saturate the color by 10%, you get **152387**, and if you desaturate by 10%, it is **313B87**.

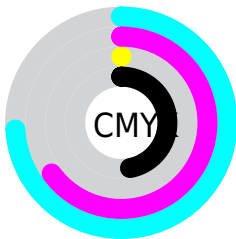
Distribution



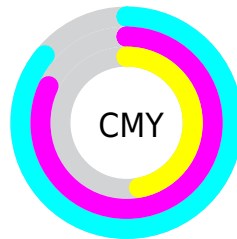
- Red (14%)
- Green (18%)
- Blue (53%)



- Red (14%)
- Yellow (18%)
- Blue (53%)



- Cyan (74%)
- Magenta (65%)
- Yellow (0%)
- Black (47%)



- Cyan (86%)
- Magenta (82%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 232F87 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 232F87 by changing the saturation by 10% instead.



232F87



232F87

FFFFFF



001A6D



5F5DBD



000454



7B76D9



00053C



978FF6



000225



B3AAFF



00010E



D0C5FF



000000



EEE1FF



FFFEFF



232F87



232F87

■ 152387

■ 313B87

■ 081787

■ 3E4787

■ 001087

■ 4C5387

■ 595F87

■ 676A87

■ 747687

■ 828287

■ 8F8E87

■ 9C9A87

Harmonies

Analogous

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



004191



232F87



680A68

Triad

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



232F87



6A2200



004A35

Complementary

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



232F87



877B23

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.



004702



232F87



4A3700

Square

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



232F87



7D0014



1E4200



004A61

Rectangle

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



232F87



7B004C



1E4200



004926

Sweetspot

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



232F87



898EB0



23877A



424559



D9D9D9



595959

Same Dimension

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



232F87



1326B0



482387



3C3C42



001082



000003

Inverse Universe

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



87232F



B01326



628723



423C3C



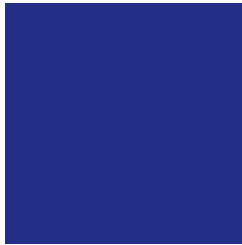
820010



030000

Previews

White Background



This preview shows how the Hex color 232F87 looks on a white background.

Color Contrast Check

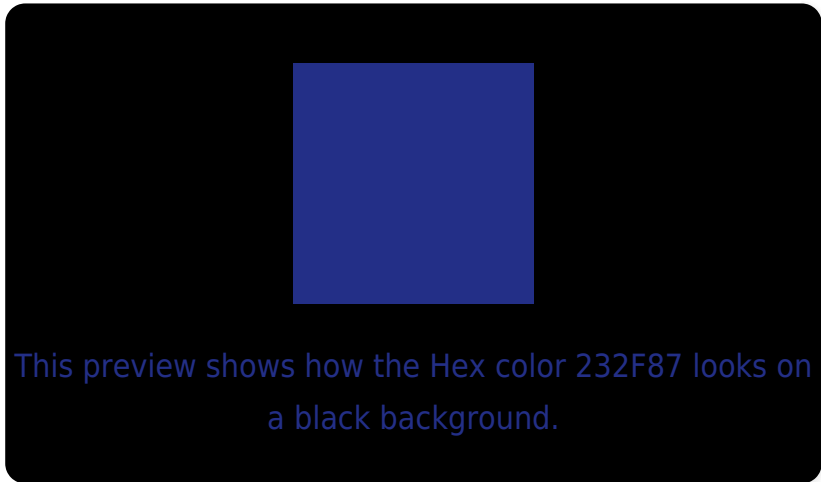
Large Text (above 18pt) WCAG AA ✓ Pass

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

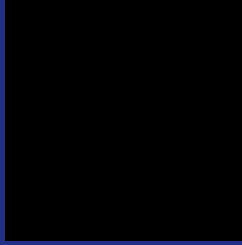
Any Text WCAG AA × Fail

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 232F87 Background



This preview shows how black text looks on a background with the Hex color 232F87.



This preview shows how white text looks on a background with the Hex color 232F87.

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
232F87

Protanopia
003775

Deuteranopia
003B64

Trichromacy



Original Color
232F87

Protanomaly
0D347C

Deuteranomaly
0D3771

Tritanomaly
0D3A5C

Monochromacy



Original Color
232F87

Achromatopsia
353535

Achromatomaly
2E3353

CSS Examples

Text

The CSS property to change the color of the text to Hex 232F87 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 #232F87 looks like.

```
.text, #text, p{  
    color:#232F87  
}
```

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 #232F87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #232F87
}
```

Border

The CSS property to change the border of an element to Hex 232F87 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
#232F87 }
```

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

```
.border{ border-color:#232F87 }
```

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

Here you see how a box with a 4 pixel #232F87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #232F87; -webkit-box-shadow:4px 4px  
4px 4px #232F87; box-shadow:4px 4px 4px  
4px #232F87 }
```

Background

The CSS property to change the background color of an element to Hex 232F87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#232F87 }
```

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

```
.background{ background-color:#232F87 }
```

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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