

Converting Colors

Hex(237FB9)

Have a look what the booklet for
Hex(237FB9) contains.

| | |
|--|----|
| Hex(237FB9) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 23 |
| <i>Color Blindness Simulation</i> | 26 |
| <i>CSS Examples</i> | 29 |

Color

Hex(237FB9)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 237FB9 |
| RGB | 35, 127, 185 |
| RGB Percent | 14%, 50%, 73% |
| CMY | 0.8627, 0.5020, 0.2745 |
| CMYK | 0.81, 0.31, 0.00, 0.27 |
| HSL | 203°, 68%, 43% |
| HSV | 203°, 81%, 73% |
| XYZ | 17.0395, 19.0389, 48.6757 |
| YIQ | 106.1040, -73.4500, -1.4660 |

Conversions

Conversions Part 2

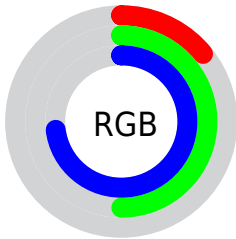
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 35, 92, 185 |
| Decimal | 2326457 |
| CIE _{Lab} | 50.73, -5.71, -37.87 |
| CIE _{LCh} | 51, 38.298, 261.426 |
| Yxy | 19.0389, 0.2010, 0.2246 |
| Android (android.graphics.Color) | 4280516537 (0xFF237FB9) |
| YUV | 106.1040, 38.8957, -62.3582 |
| Hunter-Lab | 43.6335, -6.6521, -35.5980 |

Details

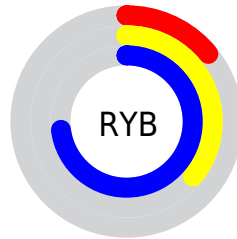
The Hex color **237FB9** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **B95D23**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **69B4F1**, and **004E84** is the 20% darker color. If you saturate the color by 10%, you get **1078B9**, and if you desaturate by 10%, it is **3686B9**.

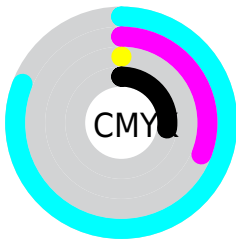
Distribution



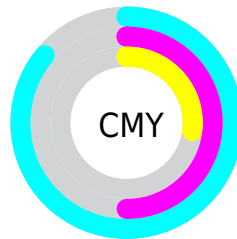
- Red (14%)
- Green (50%)
- Blue (73%)



- Red (14%)
- Yellow (36%)
- Blue (73%)



- Cyan (81%)
- Magenta (31%)
- Yellow (0%)
- Black (27%)



- Cyan (86%)
- Magenta (50%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Hex color 237FB9 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 237FB9 by changing the saturation by 10% instead.

■ 237FB9

■ 237FB9

FFFFFF

■ 00669E

■ 69B4F1

■ 004E84

■ 87CFFF

■ 00386A

■ A4EBFF

■ 002351

■ C2FFFF

■ 000B3A

■ E0FFFF

■ 000224

FEFFFF

■ 00000B

■ 000000

■ 237FB9

■ 237FB9

■ 1078B9

■ 3686B9

■ 0071B9

■ 488DB9

■ 5A94B9

■ 6D9CB9

■ 80A3B9

■ 92AAB9

■ A5B1B9

■ B7B8B9

■ CABFB9

Harmonies

Analogous

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



0086AB



237FB9



6C74B6

Triad

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



237FB9



B65F63



4F854F

Complementary

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



237FB9



B95D23

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.



757E3A



237FB9



AC6847

Square

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



237FB9



B15E84



947437



08896E

Rectangle

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



237FB9



8C6BAA



947437



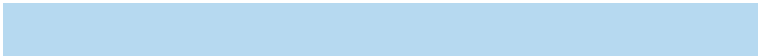
5D8346

Sweetspot

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



237FB9



B6D9F0



23B95D



556A78



F7F7F7



787878

Same Dimension

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



237FB9



0796F0



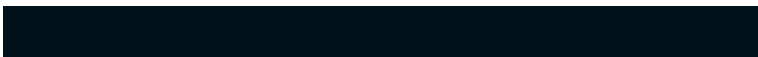
2334B9



53585C



005F9C



00111C

Inverse Universe

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



B9237F



F00796



B9A823



5C5358



9C005F



1C0011

Previews

White Background



This preview shows how the Hex color 237FB9 looks on a white background.

Color Contrast Check

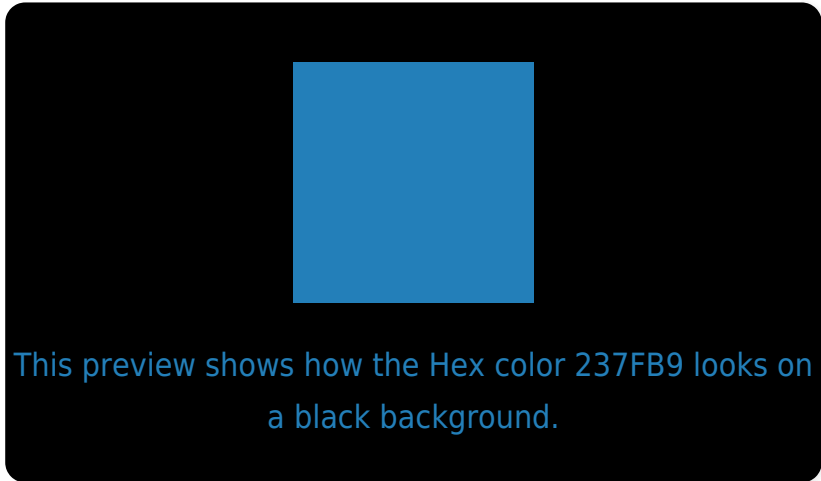
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

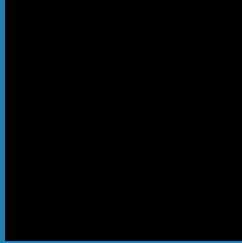
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Hex 237FB9 Background



This preview shows how black text looks on a background with the Hex color 237FB9.

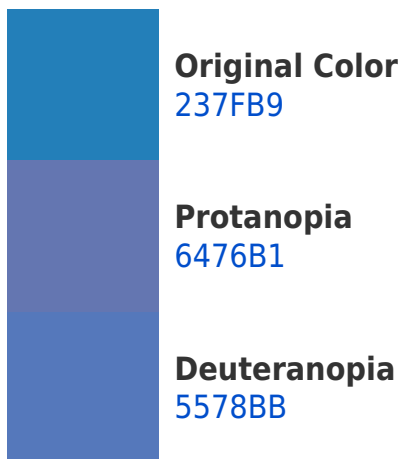


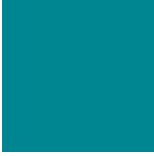
This preview shows how white text looks on a background with the Hex color 237FB9.

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](#).

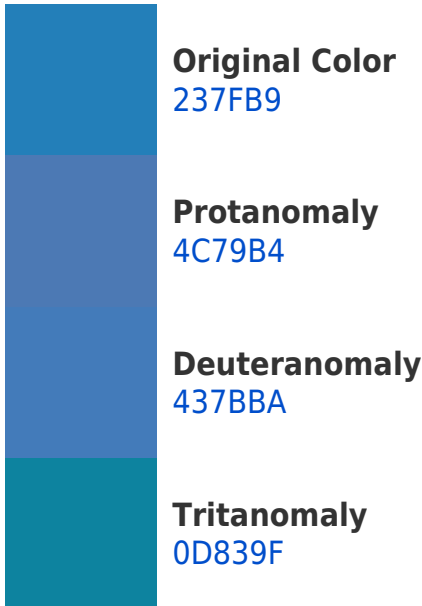
Dichromacy



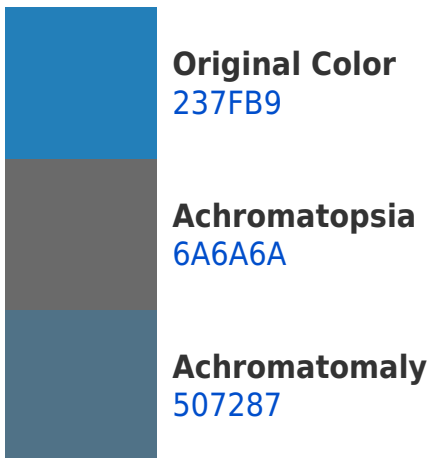


Tritanopia
008690

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 237FB9 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 #237FB9 looks like.

```
.text, #text, p{  
    color:#237FB9  
}
```

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 #237FB9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #237FB9
}
```

Border

The CSS property to change the border of an element to Hex 237FB9 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
#237FB9 }
```

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

```
.border{ border-color:#237FB9 }
```

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

Here you see how a box with a 4 pixel #237FB9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #237FB9; -webkit-box-shadow:4px 4px  
4px 4px #237FB9; box-shadow:4px 4px 4px  
4px #237FB9 }
```

Background

The CSS property to change the background color of an element to Hex 237FB9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#237FB9 }
```

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

```
.background{ background-color:#237FB9 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor