

Converting Colors

Hex(240EB9)

Have a look what the booklet for
Hex(240EB9) contains.

Hex(240EB9)	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(240EB9)

Conversions

Conversions Part 1

Format	Color
Hex	240EB9
RGB	36, 14, 185
RGB Percent	14%, 5%, 73%
CMY	0.8588, 0.9451, 0.2745
CMYK	0.81, 0.92, 0.00, 0.27
HSL	248°, 86%, 39%
HSV	248°, 92%, 73%
XYZ	9.6415, 4.1919, 46.1999
YIQ	40.0720, -41.7790, 57.8450

Conversions

Conversions Part 2

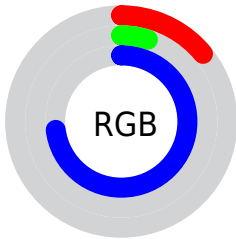
Format	Color
RYB	36, 14, 185
Decimal	2363065
CIELab	24.30, 59.50, -80.81
CIELCh	24, 100.352, 306.363
Yxy	4.1919, 0.1606, 0.0698
Android (android.graphics.Color)	4280553145 (0xFF240EB9)
YUV	40.0720, 71.4495, -3.5711
Hunter-Lab	20.4742, 48.2280, -119.4556

Details

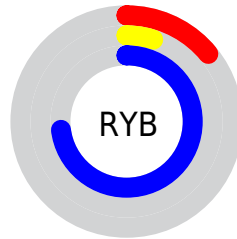
The Hex color **240EB9** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **A3B90E**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **6F45F3**, and **000082** is the 20% darker color. If you saturate the color by 10%, you get **1800B9**, and if you desaturate by 10%, it is **3421B9**.

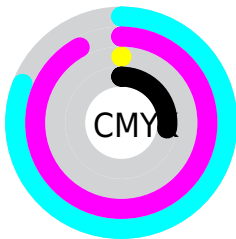
Distribution



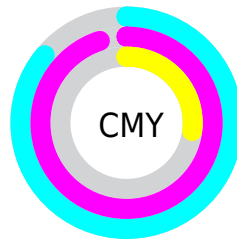
- Red (14%)
- Green (5%)
- Blue (73%)



- Red (14%)
- Yellow (5%)
- Blue (73%)



- Cyan (81%)
- Magenta (92%)
- Yellow (0%)
- Black (27%)



- Cyan (86%)
- Magenta (95%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Hex color 240EB9 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 240EB9 by changing the saturation by 10% instead.

■ 240EB9

■ 240EB9

FFFFFF

■ 00009D

■ 6F45F3

■ 000082

■ 8E5EFF

■ 000068

■ AD79FF

■ 000A4F

■ CC93FF

■ 000537

■ EBAFFF

■ 000220

■ FFCBFF

■ 000005

■ FFE8FF

■ 000000

■ 240EB9

■ 240EB9

■ 1800B9

■ 3421B9

■ 4433B9

■ 5445B9

■ 6458B9

■ 756AB9

■ 857DB9

■ 9590B9

■ A5A2B9

■ B5B5B9

Harmonies

Analogous

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



0045D9



240EB9



970078

Triad

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



240EB9



751300



005049

Complementary

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



240EB9



A3B90E

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.



004E00



240EB9



393D00

Square

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



240EB9



9E0000



004A00



005295

Rectangle

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



240EB9



AC0047



004A00



004F2E

Sweetspot

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



240EB9



B5ADF0



0EA5B9



544F78



F7F7F7



787878

Same Dimension

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



240EB9



1F00F0



770EB9



54535C



14009C



04001C

Inverse Universe

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



B90EA3



F000D1



50B90E



5C535B



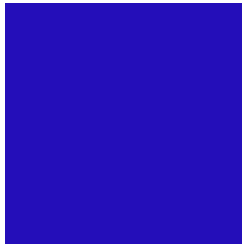
9C0088



1C0018

Previews

White Background



This preview shows how the Hex color 240EB9 looks on a white background.

Color Contrast Check

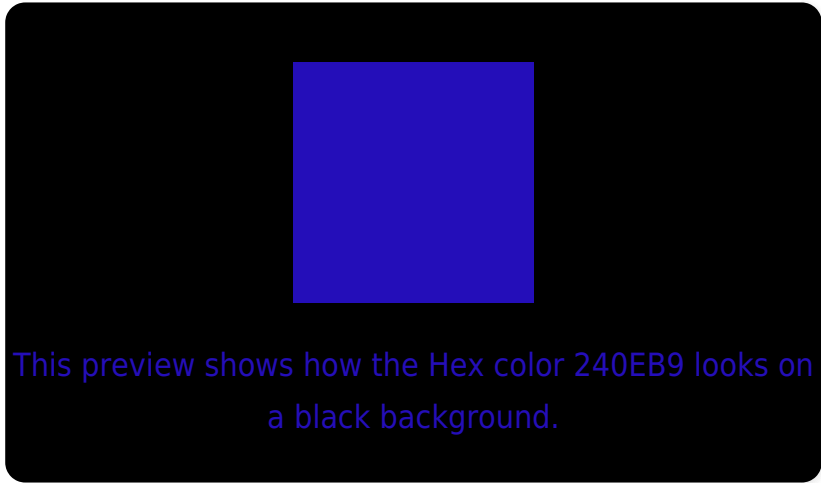
Large Text (above 18pt) WCAG AA ✓ Pass

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

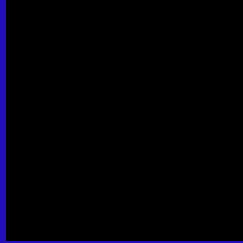
Any Text WCAG AA × Fail

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 240EB9 Background



This preview shows how black text looks on a background with the Hex color 240EB9.



This preview shows how white text looks on a background with the Hex color 240EB9.

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
240EB9

Protanopia
003977

Deuteranopia
003D65

Trichromacy



Original Color
240EB9

Protanomaly
0D298F

Deuteranomaly
0D2C84

Tritanomaly
0D2E6F

Monochromacy



Original Color
240EB9

Achromatopsia
282828

Achromatomaly
271F5D

CSS Examples

Text

The CSS property to change the color of the text to Hex 240EB9 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 #240EB9 looks like.

```
.text, #text, p{  
    color:#240EB9  
}
```

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 #240EB9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #240EB9
}
```

Border

The CSS property to change the border of an element to Hex 240EB9 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".

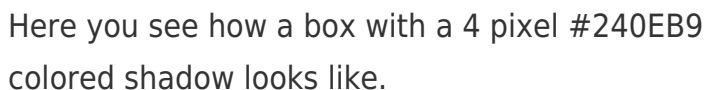
```
.border, #border, table{ border:4px solid
#240EB9 }
```

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

```
.border{ border-color:#240EB9 }
```

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

Here you see how a box with a 4 pixel #240EB9 colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #240EB9; -webkit-box-shadow:4px 4px  
4px 4px #240EB9; box-shadow:4px 4px 4px  
4px #240EB9 }
```

Background

The CSS property to change the background color of an element to Hex 240EB9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#240EB9 }
```

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

```
.background{ background-color:#240EB9 }
```

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