

Converting Colors

Hex(233193)

Have a look what the booklet for
Hex(233193) contains.

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Color

Hex(233193)

Conversions

Conversions Part 1

Format	Color
Hex	233193
RGB	35, 49, 147
RGB Percent	14%, 19%, 58%
CMY	0.8627, 0.8078, 0.4235
CMYK	0.76, 0.67, 0.00, 0.42
HSL	232°, 62%, 36%
HSV	232°, 76%, 58%
XYZ	7.0579, 4.6605, 28.1313
YIQ	55.9860, -39.8020, 27.5100

Conversions

Conversions Part 2

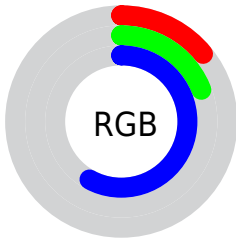
Format	Color
R_{YB}	35, 47, 147
Decimal	2306451
CIE _{Lab}	25.74, 30.22, -55.41
CIE _{LCh}	26, 63.115, 298.612
Yxy	4.6605, 0.1771, 0.1170
Android (android.graphics.Color)	4280496531 (0xFF233193)
YUV	55.9860, 44.8699, -18.4047
Hunter-Lab	21.5883, 20.5780, -62.1481

Details

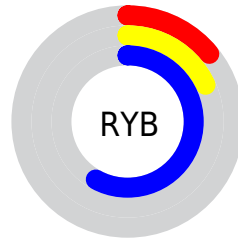
The Hex color **233193** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **938523**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **625FCA**, and **00085F** is the 20% darker color. If you saturate the color by 10%, you get **142493**, and if you desaturate by 10%, it is **323E93**.

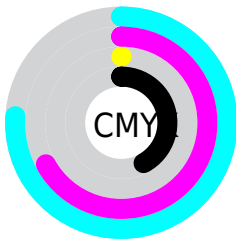
Distribution



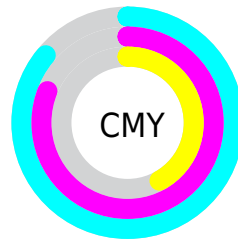
- Red (14%)
- Green (19%)
- Blue (58%)



- Red (14%)
- Yellow (18%)
- Blue (58%)



- Cyan (76%)
- Magenta (67%)
- Yellow (0%)
- Black (42%)



- Cyan (86%)
- Magenta (81%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Hex color 233193 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 233193 by changing the saturation by 10% instead.

 233193

 233193

FFFFFF

 001C79

 625FCA

 00085F

 7E78E6

 000047

 9B92FF

 00042F

 B8ACFF

 00011A

 D5C8FF

 000000

 F3E4FF

 233193

 233193

 142493

 323E93

■ 061793

■ 404B93

■ 001293

■ 4F5893

■ 5E6493

■ 6D7193

■ 7B7E93

■ 8A8B93

■ 999893

■ A7A593

Harmonies

Analogous

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



00459F



233193



710070

Triad

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



233193



712300



004F39

Complementary

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



233193



938523

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.



004C00



233193



4E3B00

Square

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



233193



880013



1B4700



00506A

Rectangle

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



233193



850051



1B4700



004E28

Sweetspot

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



233193



9399BF



239384



464961



E0E0E0



616161

Same Dimension

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



233193



1127BF



4C2393



43434A



00118A



00010A

Inverse Universe

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



932331



BF1127



6A9323



4A4343



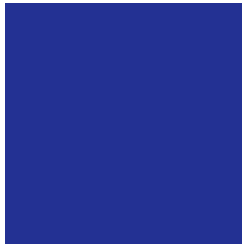
8A0011



0A0001

Previews

White Background



This preview shows how the Hex color 233193 looks on a white background.

Color Contrast Check

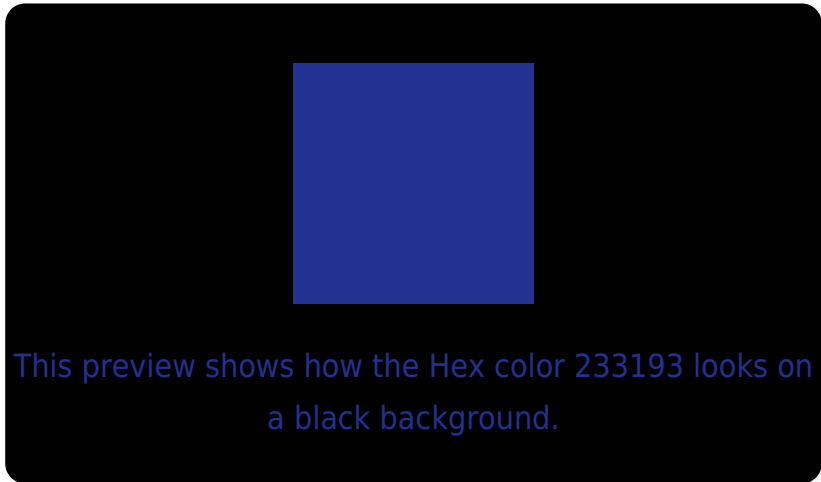
Large Text (above 18pt) WCAG AA ✓ Pass

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

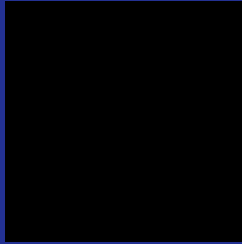
Any Text WCAG AA × Fail

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 233193 Background



This preview shows how black text looks on a background with the Hex color 233193.



This preview shows how white text looks on a background with the Hex color 233193.

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
233193

Protanopia
003B7C

Deuteranopia
003F6A

Trichromacy



Original Color
233193

Protanomaly
0D3784

Deuteranomaly
0D3A79

Tritanomaly
0D3D63

Monochromacy



Original Color
233193

Achromatopsia
383838

Achromatomaly
303559

CSS Examples

Text

The CSS property to change the color of the text to Hex 233193 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 #233193 looks like.

```
.text, #text, p{  
    color:#233193  
}
```

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 #233193 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233193
}
```

Border

The CSS property to change the border of an element to Hex 233193 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
#233193 }
```

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

```
.border{ border-color:#233193 }
```

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

Here you see how a box with a 4 pixel #233193 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233193; -webkit-box-shadow:4px 4px  
4px 4px #233193; box-shadow:4px 4px 4px  
4px #233193 }
```

Background

The CSS property to change the background color of an element to Hex 233193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233193 }
```

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

```
.background{ background-color:#233193 }
```

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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