

Converting Colors

Hex(2242C1)

Have a look what the booklet for
Hex(2242C1) contains.

Hex(2242C1)	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>	28

Color

Hex(2242C1)

Conversions

Conversions Part 1

Format	Color
Hex	2242C1
RGB	34, 66, 193
RGB Percent	13%, 26%, 76%
CMY	0.8667, 0.7412, 0.2431
CMYK	0.82, 0.66, 0.00, 0.24
HSL	228°, 70%, 45%
HSV	228°, 82%, 76%
XYZ	12.2335, 8.0868, 51.3682
YIQ	70.9100, -59.8390, 32.7130

Conversions

Conversions Part 2

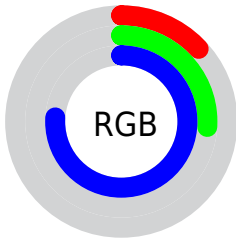
Format	Color
R_{YB}	34, 61, 193
Decimal	2245313
CIE _{Lab}	34.16, 36.23, -69.21
CIE _{LCh}	34, 78.117, 297.632
Yxy	8.0868, 0.1706, 0.1128
Android (android.graphics.Color)	4280435393 (0xFF2242C1)
YUV	70.9100, 60.1904, -32.3701
Hunter-Lab	28.4372, 27.0245, -87.1937

Details

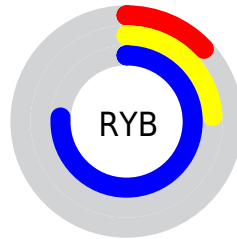
The Hex color **2242C1** is a dark color, and the websafe version is hex **003399**. The color can be described as dark muted blue. A complement of this color would be **C1A122**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **6C72FB**, and **00188A** is the 20% darker color. If you saturate the color by 10%, you get **0F33C1**, and if you desaturate by 10%, it is **3551C1**.

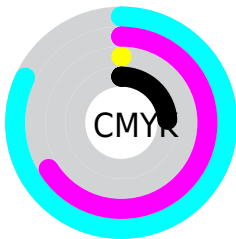
Distribution



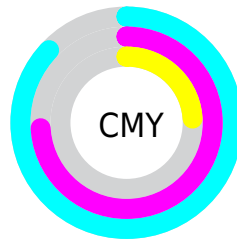
- Red (13%)
- Green (26%)
- Blue (76%)



- Red (13%)
- Yellow (24%)
- Blue (76%)



- Cyan (82%)
- Magenta (66%)
- Yellow (0%)
- Black (24%)



- Cyan (87%)
- Magenta (74%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2242C1 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 2242C1 by changing the saturation by 10% instead.

■ 2242C1

■ 2242C1

FFFFFF

■ 002CA5

■ 6C72FB

■ 00188A

■ 8B8BFF

■ 000470

■ A9A6FF

■ 000456

■ C8C1FF

■ 00063E

■ E6DDFF

■ 000327

■ FFF9FF

■ 000111

■ 000000

■ 2242C1

■ 2242C1

■ 0F33C1

■ 3551C1

■ 0027C1

■ 4961C1

■ 5C70C1

■ 6F80C1

■ 838FC1

■ 969EC1

■ A9AEC1

■ BCBDC1

■ D0CDC1

Harmonies

Analogous

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



005BD0



2242C1



920094

Triad

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



2242C1



952C00



00674A

Complementary

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



2242C1



C1A122

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.



006400



2242C1



674D00

Square

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



2242C1



B1001C



265D00



006889

Rectangle

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



2242C1



AD006D



265D00



006633

Sweetspot

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



2242C1



BBC8FA



22C19F



575F7D



FCFCFC



7D7D7D

Same Dimension

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



2242C1



0234FA



4F22C1



575961



0020A1



000721

Inverse Universe

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



C12242



FA0234



94C122



615759



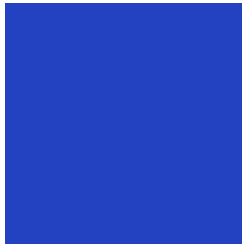
A10020



210007

Previews

White Background



This preview shows how the Hex color 2242C1 looks on a white background.

Color Contrast Check

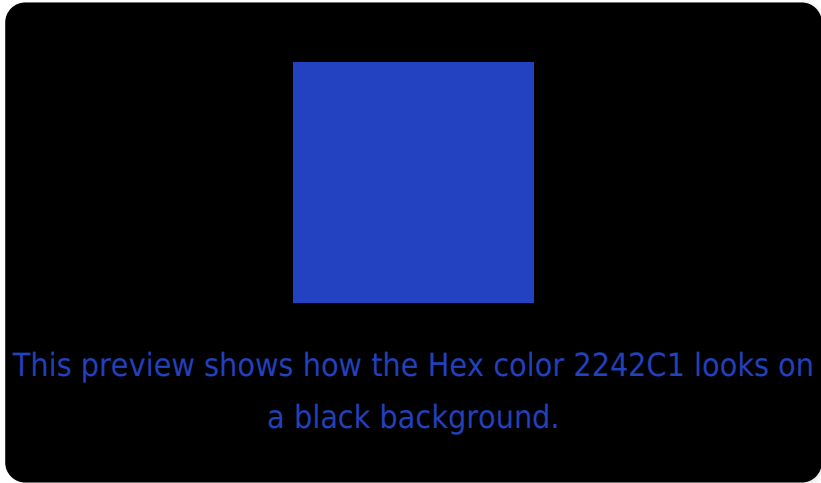
Large Text (above 18pt) WCAG AA ✓ Pass

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

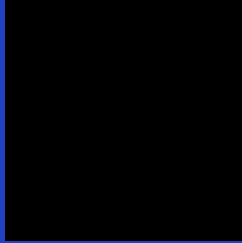
Any Text WCAG AA × Fail

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 2242C1 Background



This preview shows how black text looks on a background with the Hex color 2242C1.



This preview shows how white text looks on a background with the Hex color 2242C1.

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



Trichromacy



Original Color
2242C1

Protanomaly
0C49AE

Tritanomaly
0C5182

Monochromacy



Original Color
2242C1

Achromatopsia
474747

Achromatomaly
3A4573

CSS Examples

Text

The CSS property to change the color of the text to Hex 2242C1 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 #2242C1 looks like.

```
.text, #text, p{  
    color:#2242C1  
}
```

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 #2242C1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2242C1
}
```

Border

The CSS property to change the border of an element to Hex 2242C1 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
#2242C1 }
```

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

```
.border{ border-color:#2242C1 }
```

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

Here you see how a box with a 4 pixel #2242C1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2242C1; -webkit-box-shadow:4px 4px  
4px 4px #2242C1; box-shadow:4px 4px 4px  
4px #2242C1 }
```

Background

The CSS property to change the background color of an element to Hex 2242C1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2242C1 }
```

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

```
.background{ background-color:#2242C1 }
```

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