

# Converting Colors

Hex(2A53CF)

Have a look what the booklet for  
Hex(2A53CF) contains.

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# Color

Hex(2A53CF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A53CF
RGB	42, 83, 207
RGB Percent	16%, 33%, 81%
CMY	0.8353, 0.6745, 0.1882
CMYK	0.80, 0.60, 0.00, 0.19
HSL	225°, 66%, 49%
HSV	225°, 80%, 81%
XYZ	15.3106, 11.1837, 60.3832
YIQ	84.8770, -64.2400, 29.8720

# Conversions

## Conversions Part 2

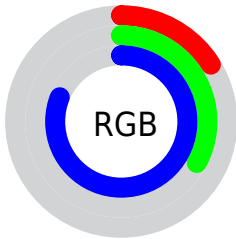
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 75, 207
Decimal	2773967
CIELab	39.89, 31.16, -67.96
CIElCh	40, 74.759, 294.630
Yxy	11.1837, 0.1762, 0.1287
Android (android.graphics.Color)	4280964047 (0xFF2A53CF)
YUV	84.8770, 60.2066, -37.6031
Hunter-Lab	33.4421, 23.1978, -83.6448

# Details

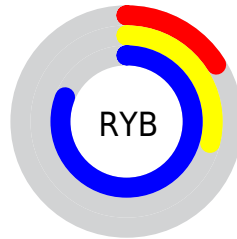
The Hex color **2A53CF** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **CFA62A**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **7284FF**, and **002797** is the 20% darker color. If you saturate the color by 10%, you get **1543CF**, and if you desaturate by 10%, it is **3F63CF**.

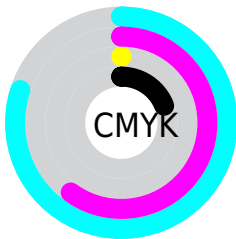
# Distribution



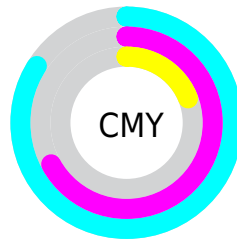
- Red (16%)
- Green (33%)
- Blue (81%)



- Red (16%)
- Yellow (29%)
- Blue (81%)



- Cyan (80%)
- Magenta (60%)
- Yellow (0%)
- Black (19%)



- Cyan (84%)
- Magenta (67%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A53CF 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 2A53CF by changing the saturation by 10% instead.



 2A53CF

 2A53CF

FFFFFF

 003CB3

 7284FF

 002797

 919EFF

 00157D

 B0B9FF

 000063

 CED4FF

 00094A

 EDF1FF

 000432

 00021C

 000000

 2A53CF

 2A53CF

■ 1543CF

■ 3F63CF

■ 0134CF

■ 5372CF

■ 0033CF

■ 6882CF

■ 7D91CF

■ 92A1CF

■ A6B0CF

■ BBC0CF

■ D0CFCF

■ E4DFCF

# Harmonies

## Analogous

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



006ADA



2A53CF



9A29A6

# Triad

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



2A53CF



A83900



007651

# Complementary

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



2A53CF



CFA62A

# 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.



007204



2A53CF



7D5800

# Square

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



2A53CF



C10030



426900



007790

# Rectangle

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



2A53CF



B80080



426900



00753B



# Sweetspot

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



2A53CF



C2D1FF



2ACFA6



5B6480



000000



808080



# Same Dimension

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



2A53CF



0A47FF



532ACF



5E6169



002AA8



000A29



# Inverse Universe

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



CF2A53



FF0A47



A6CF2A



695E61



A8002A



29000A



# Previews

## White Background



This preview shows how the Hex color 2A53CF looks on a white background.

## Color Contrast Check

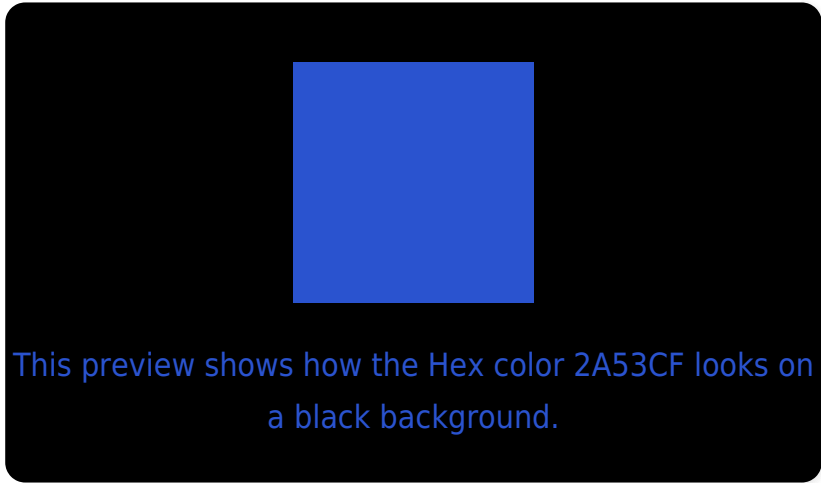
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

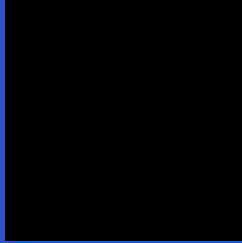
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A53CF Background



This preview shows how black text looks on a background with the Hex color 2A53CF.

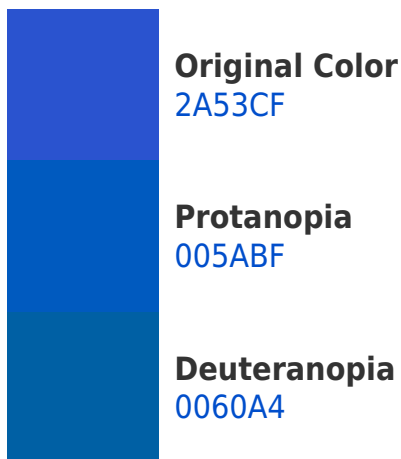


This preview shows how white text looks on a background with the Hex color 2A53CF.

# 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**  
00686E

# Trichromacy



**Original Color**  
2A53CF

**Protanomaly**  
0F57C5

**Deuteranomaly**  
0F5BB4

**Tritanomaly**  
0F6091

# Monochromacy



**Original Color**  
2A53CF

**Achromatopsia**  
555555

**Achromatomaly**  
455481

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A53CF 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 #2A53CF looks like.

```
.text, #text, p{  
    color:#2A53CF  
}
```

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 #2A53CF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A53CF
}
```

## Border

The CSS property to change the border of an element to Hex 2A53CF 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
#2A53CF }
```

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

```
.border{ border-color:#2A53CF }
```

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

Here you see how a box with a 4 pixel #2A53CF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A53CF; -webkit-box-shadow:4px 4px  
4px 4px #2A53CF; box-shadow:4px 4px 4px  
4px #2A53CF }
```

# Background

The CSS property to change the background color of an element to Hex 2A53CF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A53CF }
```

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

```
.background{ background-color:#2A53CF }
```

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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