

Converting Colors

Hex(2D51A9)

Have a look what the booklet for
Hex(2D51A9) contains.

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Color

Hex(2D51A9)

Conversions

Conversions Part 1

Format	Color
Hex	2D51A9
RGB	45, 81, 169
RGB Percent	18%, 32%, 66%
CMY	0.8235, 0.6824, 0.3373
CMYK	0.73, 0.52, 0.00, 0.34
HSL	223°, 58%, 42%
HSV	223°, 73%, 66%
XYZ	11.1860, 9.3073, 38.7430
YIQ	80.2680, -49.7040, 19.7360

Conversions

Conversions Part 2

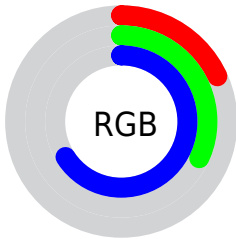
Format	Color
R_{YB}	45, 73, 169
Decimal	2970025
CIE _{Lab}	36.57, 18.44, -51.09
CIE _{LCh}	37, 54.311, 289.843
Yxy	9.3073, 0.1888, 0.1571
Android (android.graphics.Color)	4281160105 (0xFF2D51A9)
YUV	80.2680, 43.7449, -30.9300
Hunter-Lab	30.5079, 12.0601, -53.9389

Details

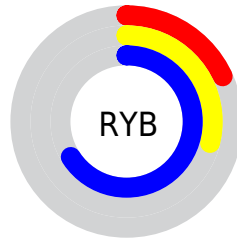
The Hex color **2D51A9** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **A9852D**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **6B82E1**, and **002674** is the 20% darker color. If you saturate the color by 10%, you get **1C45A9**, and if you desaturate by 10%, it is **3E5DA9**.

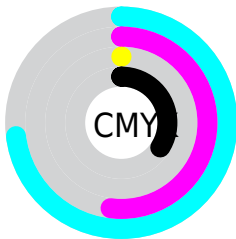
Distribution



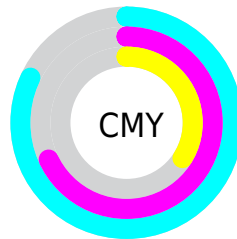
- Red (18%)
- Green (32%)
- Blue (66%)



- Red (18%)
- Yellow (29%)
- Blue (66%)



- Cyan (73%)
- Magenta (52%)
- Yellow (0%)
- Black (34%)



- Cyan (82%)
- Magenta (68%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D51A9 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 2D51A9 by changing the saturation by 10% instead.

■ 2D51A9

■ 2D51A9

FFFFFF

■ 003A8E

■ 6B82E1

■ 002674

■ 889CFE

■ 00135B

■ A5B6FF

■ 000443

■ C2D2FF

■ 00032B

■ E0EEFF

■ 000116

FEFFFF

■ 000000

■ 2D51A9

■ 2D51A9

■ 1C45A9

■ 3E5DA9

■ 0B39A9

■ 4F69A9

■ 0031A9

■ 6075A9

■ 7181A9

■ 818DA9

■ 9299A9

■ A3A5A9

■ B4B1A9

■ C5BDA9

Harmonies

Analogous

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



0060AD



2D51A9



7B3B8F

Triad

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



2D51A9



933B11



006845

Complementary

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



2D51A9



A9852D

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.



056517



2D51A9



754F00

Square

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



2D51A9



A2263B



4D5D00



006973

Rectangle

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



2D51A9



942B75



4D5D00



006736

Sweetspot

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



2D51A9



ABB9DB



2DA984



51596E



EDEDED



6E6E6E

Same Dimension

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



2D51A9



1A52DB



462DA9



4C4E54



002B94



000614

Inverse Universe

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



A92D51



DB1A52



90A92D



544C4E



94002B



140006

Previews

White Background



This preview shows how the Hex color 2D51A9 looks on a white background.

Color Contrast Check

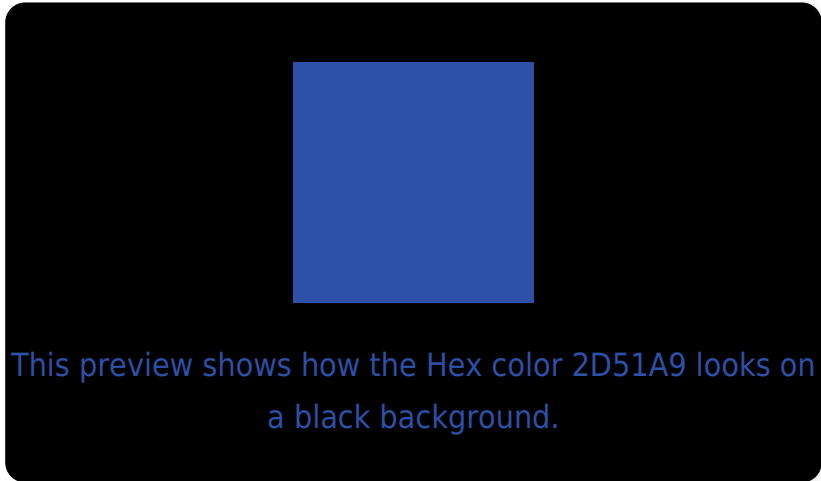
Large Text (above 18pt) WCAG AA ✓ Pass

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

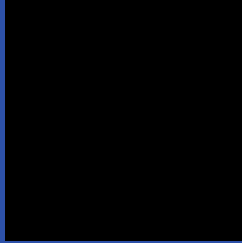
Any Text WCAG AA × Fail

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 2D51A9 Background



This preview shows how black text looks on a background with the Hex color 2D51A9.



This preview shows how white text looks on a background with the Hex color 2D51A9.

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
2D51A9

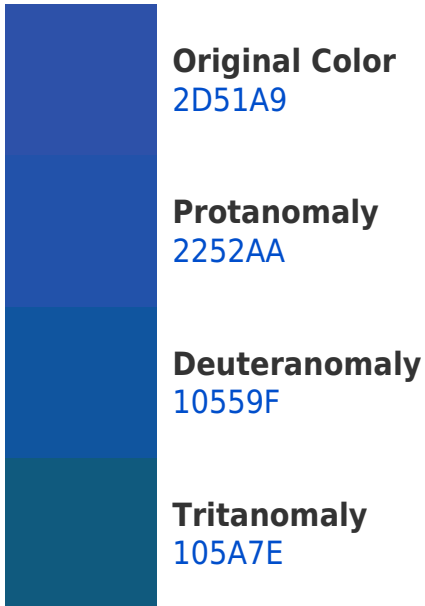
Protanopia
1B53AB

Deuteranopia
005899

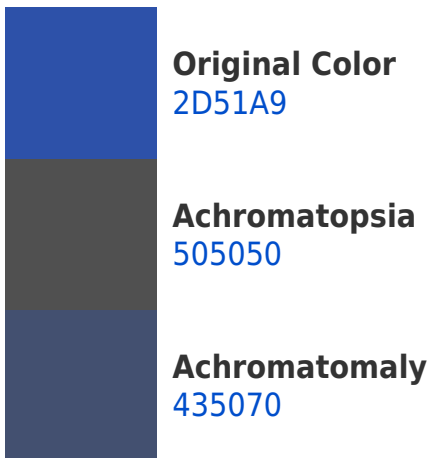


Tritanopia
005F66

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2D51A9 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 #2D51A9 looks like.

```
.text, #text, p{  
    color:#2D51A9  
}
```

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 #2D51A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D51A9
}
```

Border

The CSS property to change the border of an element to Hex 2D51A9 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
#2D51A9 }
```

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

```
.border{ border-color:#2D51A9 }
```

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

Here you see how a box with a 4 pixel #2D51A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D51A9; -webkit-box-shadow:4px 4px  
4px 4px #2D51A9; box-shadow:4px 4px 4px  
4px #2D51A9 }
```

Background

The CSS property to change the background color of an element to Hex 2D51A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D51A9 }
```

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

```
.background{ background-color:#2D51A9 }
```

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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