

Converting Colors

Hex(2D12B0)

Have a look what the booklet for
Hex(2D12B0) contains.

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Color

Hex(2D12B0)

Conversions

Conversions Part 1

Format	Color
Hex	2D12B0
RGB	45, 18, 176
RGB Percent	18%, 7%, 69%
CMY	0.8235, 0.9294, 0.3098
CMYK	0.74, 0.90, 0.00, 0.31
HSL	250°, 81%, 38%
HSV	250°, 90%, 69%
XYZ	9.1350, 4.1251, 41.3891
YIQ	44.0850, -34.6260, 54.8620

Conversions

Conversions Part 2

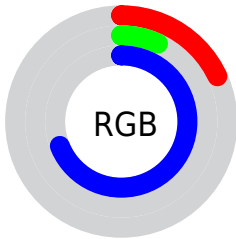
Format	Color
R_{YB}	45, 18, 176
Decimal	2953904
CIE _{Lab}	24.08, 56.27, -75.77
CIE _{LCh}	24, 94.381, 306.597
Yxy	4.1251, 0.1672, 0.0755
Android (android.graphics.Color)	4281143984 (0xFF2D12B0)
YUV	44.0850, 65.0341, 0.8025
Hunter-Lab	20.3103, 44.7409, -106.6059

Details

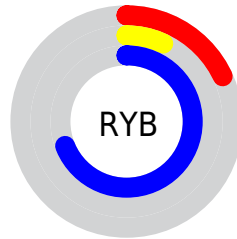
The Hex color **2D12B0** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **95B012**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **7247E9**, and **00007A** is the 20% darker color. If you saturate the color by 10%, you get **1E00B0**, and if you desaturate by 10%, it is **3C24B0**.

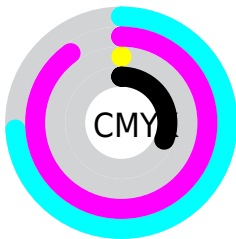
Distribution



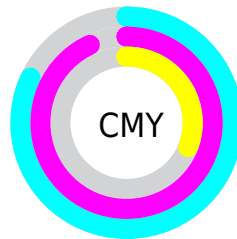
- Red (18%)
- Green (7%)
- Blue (69%)



- Red (18%)
- Yellow (7%)
- Blue (69%)



- Cyan (74%)
- Magenta (90%)
- Yellow (0%)
- Black (31%)



- Cyan (82%)
- Magenta (93%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D12B0 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 2D12B0 by changing the saturation by 10% instead.

■ 2D12B0

■ 2D12B0

FFFFFF

■ 000094

■ 7247E9

■ 00007A

■ 9060FF

■ 000060

■ AE7AFF

■ 000847

■ CD95FF

■ 000430

■ EBB0FF

■ 00011A

■ FFCDFE

■ 000000

■ FFE9FF

■ 2D12B0

■ 2D12B0

■ 1E00B0

■ 3C24B0

■ 4A35B0

■ 5947B0

■ 6758B0

■ 766AB0

■ 857CB0

■ 938DB0

■ A29FB0

■ B0B0B0

Harmonies

Analogous

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



0043CE



2D12B0



910074

Triad

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



2D12B0



711800



004F48

Complementary

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



2D12B0



95B012

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.



004D00



2D12B0



393D00

Square

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



2D12B0



980000



004900



00518F

Rectangle

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



2D12B0



A50045



004900



004E2F

Sweetspot

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



2D12B0



B2A8E6



1296B0



544E73



F2F2F2



737373

Same Dimension

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



2D12B0



2700E6



7B12B0



525059



1A0099



04001A

Inverse Universe

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



B01295



E600BE



47B012



595058



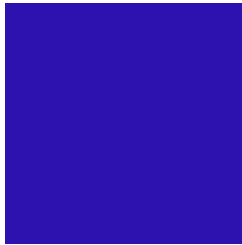
99007F



1A0015

Previews

White Background



This preview shows how the Hex color 2D12B0 looks on a white background.

Color Contrast Check

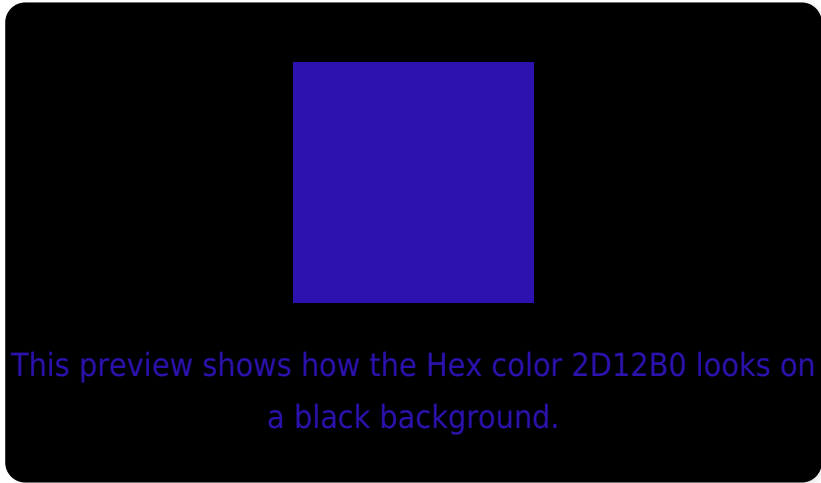
Large Text (above 18pt) WCAG AA ✓ Pass

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

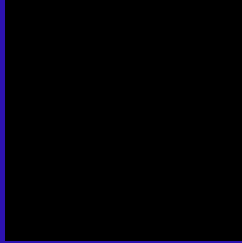
Any Text WCAG AA × Fail

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 2D12B0 Background



This preview shows how black text looks on a background with the Hex color 2D12B0.



This preview shows how white text looks on a background with the Hex color 2D12B0.

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
2D12B0

Protanopia
003876

Deuteranopia
003C64

Trichromacy



Original Color
2D12B0

Protanomaly
102A8B

Deuteranomaly
102D80

Tritanomaly
10306B

Monochromacy



Original Color
2D12B0

Achromatopsia
2C2C2C

Achromatomaly
2C235C

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D12B0 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 #2D12B0 looks like.

```
.text, #text, p{  
    color:#2D12B0  
}
```

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 #2D12B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D12B0
}
```

Border

The CSS property to change the border of an element to Hex 2D12B0 is called "border". The border property can be set on classes, ids or directly on the HTML element.

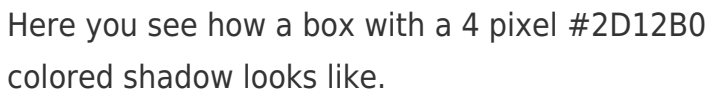
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D12B0 }
```

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

```
.border{ border-color:#2D12B0 }
```

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



Here you see how a box with a 4 pixel #2D12B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D12B0; -webkit-box-shadow:4px 4px  
4px 4px #2D12B0; box-shadow:4px 4px 4px  
4px #2D12B0 }
```

Background

The CSS property to change the background color of an element to Hex 2D12B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D12B0 }
```

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

```
.background{ background-color:#2D12B0 }
```

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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