

Converting Colors

Hex(0712DE)

Have a look what the booklet for
Hex(0712DE) contains.

Hex(0712DE)	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>	29

Color

Hex(0712DE)

Conversions

Conversions Part 1

Format	Color
Hex	0712DE
RGB	7, 18, 222
RGB Percent	3%, 7%, 87%
CMY	0.9725, 0.9294, 0.1294
CMYK	0.97, 0.92, 0.00, 0.13
HSL	237°, 94%, 45%
HSV	237°, 97%, 87%
XYZ	13.4887, 5.7517, 69.5065
YIQ	37.9670, -72.0400, 61.1120

Conversions

Conversions Part 2

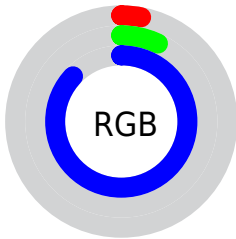
Format	Color
R _Y B	7, 17, 222
Decimal	463582
CIE Lab	28.78, 67.80, -95.01
CIE LCh	29, 116.716, 305.513
Yxy	5.7517, 0.1520, 0.0648
Android (android.graphics.Color)	4278653662 (0xFF0712DE)
YUV	37.9670, 90.7283, -27.1581
Hunter-Lab	23.9827, 58.4250, -155.0458

Details

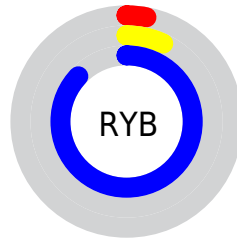
The Hex color **0712DE** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **DED307**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **704AFF**, and **0000A5** is the 20% darker color. If you saturate the color by 10%, you get **000BDE**, and if you desaturate by 10%, it is **1D27DE**.

Distribution



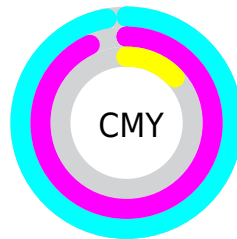
- Red (3%)
- Green (7%)
- Blue (87%)



- Red (3%)
- Yellow (7%)
- Blue (87%)



- Cyan (97%)
- Magenta (92%)
- Yellow (0%)
- Black (13%)



- Cyan (97%)
- Magenta (93%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0712DE 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 0712DE by changing the saturation by 10% instead.

 0712DE

 0712DE

FFFFFF

 0000C1

 704AFF

 0000A5

 9264FF

 00008A

 B37FFF

 00056F

 D39AFF

 000C55


 F3B6FF

 00063D

 FFD2FF

 000326

 FFEFFF

 00010F

 000000

■ 0712DE

■ 0712DE

■ 000BDE

■ 1D27DE

■ 333CDE

■ 4A51DE

■ 6066DE

■ 767BDE

■ 8C90DE

■ A2A5DE

■ B9BBDE

■ CFD0DE

Harmonies

Analogous

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



0053FF



0712DE



B10091

Triad

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



0712DE



8B0E00



005D54

Complementary

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



0712DE



DED307

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.



005B00



0712DE



454700

Square

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



0712DE



BC0000



005600



0060AF

Rectangle

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



0712DE



CB0056



005600



005C34

Sweetspot

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



0712DE



B5B9FF



07DED0



535580



000000



808080

Same Dimension

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



0712DE



000DFF



6407DE



656670



0009B0



000230

Inverse Universe

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



DE0712



FF000D



81DE07



706566



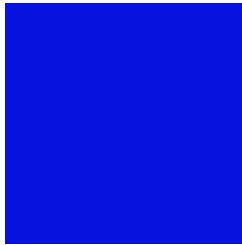
B00009



300002

Previews

White Background



This preview shows how the Hex color 0712DE looks on a white background.

Color Contrast Check

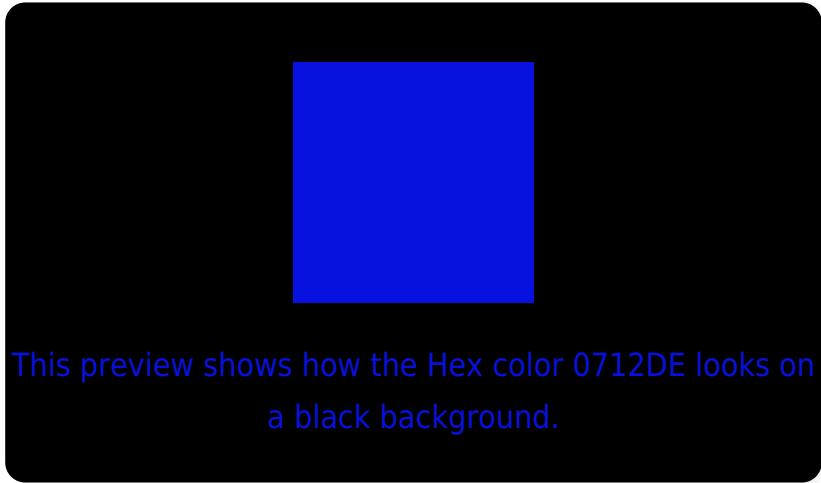
Large Text (above 18pt) WCAG AA ✓ Pass

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

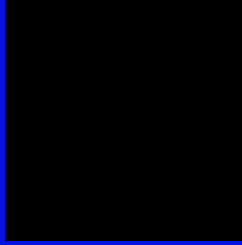
Any Text WCAG AA × Fail

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 0712DE Background



This preview shows how black text looks on a background with the Hex color 0712DE.



This preview shows how white text looks on a background with the Hex color 0712DE.

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
0712DE

Protanopia
00428A

Deuteranopia
004775



Tritanopia
004C4F

Trichromacy



Original Color
0712DE

Protanomaly
0331A9

Deuteranomaly
03349B

Tritanomaly
033783

Monochromacy



Original Color
0712DE

Achromatopsia
262626

Achromatomaly
1B1F69

CSS Examples

Text

The CSS property to change the color of the text to Hex 0712DE 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 #0712DE looks like.

```
.text, #text, p{  
    color:#0712DE  
}
```

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 #0712DE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0712DE
}
```

Border

The CSS property to change the border of an element to Hex 0712DE is called "border". The border property can be set on classes, ids or directly on the HTML element.

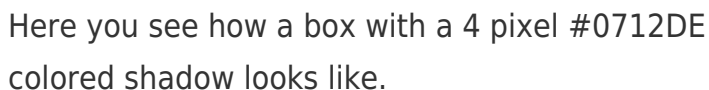
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0712DE }
```

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

```
.border{ border-color:#0712DE }
```

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



Here you see how a box with a 4 pixel #0712DE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0712DE; -webkit-box-shadow:4px 4px  
4px 4px #0712DE; box-shadow:4px 4px 4px  
4px #0712DE }
```

Background

The CSS property to change the background color of an element to Hex 0712DE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0712DE }
```

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

```
.background{ background-color:#0712DE }
```

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