

# Converting Colors

Hex(1708DE)

Have a look what the booklet for  
Hex(1708DE) contains.

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# Color

**Hex(1708DE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1708DE
RGB	23, 8, 222
RGB Percent	9%, 3%, 87%
CMY	0.9098, 0.9686, 0.1294
CMYK	0.90, 0.96, 0.00, 0.13
HSL	244°, 93%, 45%
HSV	244°, 96%, 87%
XYZ	13.6250, 5.6298, 69.4758
YIQ	36.8810, -59.7540, 69.7340

# Conversions

## Conversions Part 2

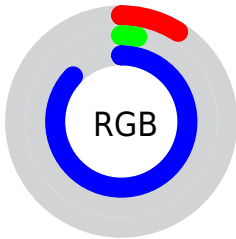
Format	Color
<a href="#">RYB</a>	<a href="#">23, 8, 222</a>
Decimal	<a href="#">1509598</a>
CIELab	<a href="#">28.46, 70.05, -95.53</a>
CIELCh	<a href="#">28, 118.459, 306.251</a>
Yxy	<a href="#">5.6298, 0.1536, 0.0634</a>
Android (android.graphics.Color)	<a href="#">4279699678</a> ( <a href="#">0xFF1708DE</a> )
YUV	<a href="#">36.8810, 91.2637, -12.1736</a>
Hunter-Lab	<a href="#">23.7271, 60.9791, -156.9992</a>

# Details

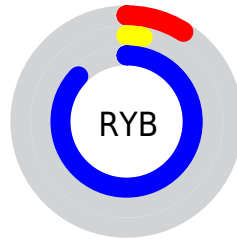
The Hex color **1708DE** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **CFDE08**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **7446FF**, and **0000A5** is the 20% darker color. If you saturate the color by 10%, you get **1000DE**, and if you desaturate by 10%, it is **2C1EDE**.

# Distribution



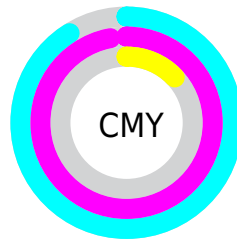
- Red (9%)
- Green (3%)
- Blue (87%)



- Red (9%)
- Yellow (3%)
- Blue (87%)



- Cyan (90%)
- Magenta (96%)
- Yellow (0%)
- Black (13%)



- Cyan (91%)
- Magenta (97%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1708DE 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 1708DE by changing the saturation by 10% instead.



 1708DE

 1708DE

FFFFFF

 0000C1


 7446FF

 0000A5

 9661FF

 00008A

 B67CFF

 00056F

 D797FF

 000C55

 F7B3FF

 00063D

 FFCFFF

 000326

 FFECFF

 00010F

 000000

■ 1708DE

■ 1708DE

■ 1000DE

■ 2C1EDE

■ 4034DE

■ 554BDE

■ 6A61DE

■ 7E77DE

■ 938DDE

■ A8A3DE

■ BCBADE

■ D1D0DE

# Harmonies

## Analogous

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



0052FF



1708DE



B3008F

# Triad

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



1708DE



890F00



005D55

# Complementary

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



1708DE



CFDE08

# 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.



005A00



1708DE



424700

# Square

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



1708DE



BB0000



005600



0060B2

# Rectangle

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



1708DE



CC0054



005600



005C35



# Sweetspot

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



1708DE



BAB5FF



08D0DE



565380



000000



808080



# Same Dimension

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



1708DE



1200FF



8108DE



666570



0C00B0



030030



# Inverse Universe

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



DE08CF



FF00ED



65DE08



70656F



B000A4

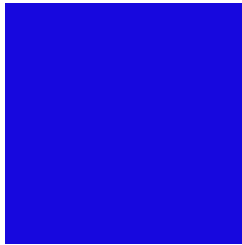


30002D



# Previews

## White Background



This preview shows how the Hex color 1708DE looks on a white background.

## Color Contrast Check

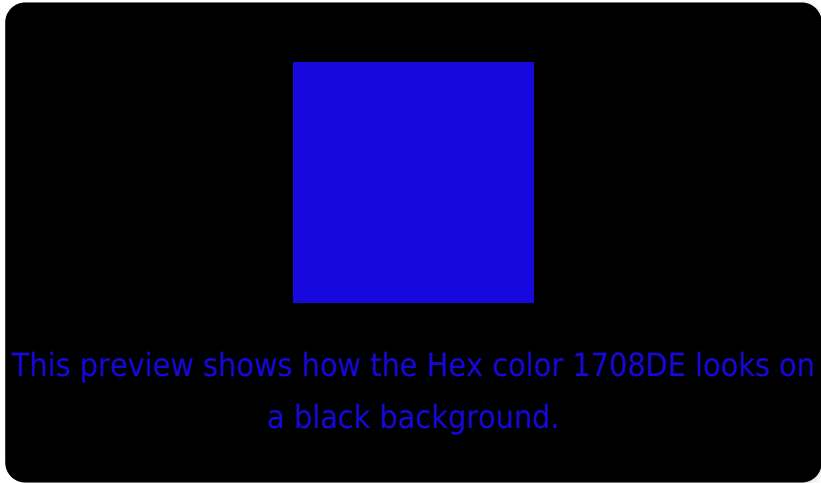
Large Text (above 18pt) WCAG AA ✓ Pass

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 1708DE Background



This preview shows how black text looks on a background with the Hex color 1708DE.



This preview shows how white text looks on a background with the Hex color 1708DE.

# 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**  
1708DE

**Protanopia**  
00428A

**Deuteranopia**  
004675



**Tritanopia**  
004C4F

# Trichromacy



**Original Color**  
1708DE

**Protanomaly**  
082DA9

**Deuteranomaly**  
082F9B

**Tritanomaly**  
083383

# Monochromacy



**Original Color**  
1708DE

**Achromatopsia**  
252525

**Achromatomaly**  
201A68

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1708DE 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 #1708DE looks like.

```
.text, #text, p{  
    color:#1708DE  
}
```

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 #1708DE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1708DE
}
```

## Border

The CSS property to change the border of an element to Hex 1708DE 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
#1708DE }
```

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

```
.border{ border-color:#1708DE }
```

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

Here you see how a box with a 4 pixel #1708DE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1708DE; -webkit-box-shadow:4px 4px  
4px 4px #1708DE; box-shadow:4px 4px 4px  
4px #1708DE }
```

# Background

The CSS property to change the background color of an element to Hex 1708DE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1708DE }
```

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

```
.background{ background-color:#1708DE }
```

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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