

Converting Colors

Hex(2013D9)

Have a look what the booklet for
Hex(2013D9) contains.

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Color

Hex(2013D9)

Conversions

Conversions Part 1

Format	Color
Hex	2013D9
RGB	32, 19, 217
RGB Percent	13%, 7%, 85%
CMY	0.8745, 0.9255, 0.1490
CMYK	0.85, 0.91, 0.00, 0.15
HSL	244°, 84%, 46%
HSV	244°, 91%, 85%
XYZ	13.3529, 5.7826, 66.0580
YIQ	45.4590, -55.8100, 64.3340

Conversions

Conversions Part 2

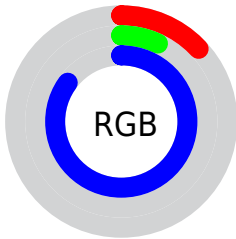
Format	Color
R_{YB}	32, 19, 217
Decimal	2102233
CIE _{Lab}	28.86, 66.58, -91.97
CIE _{LCh}	29, 113.539, 305.900
Yxy	5.7826, 0.1567, 0.0679
Android (android.graphics.Color)	4280292313 (0xFF2013D9)
YUV	45.4590, 84.5697, -11.8035
Hunter-Lab	24.0470, 57.0361, -146.0391

Details

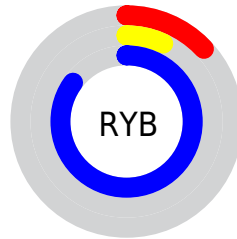
The Hex color **2013D9** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **CCD913**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **754BFF**, and **0000A0** is the 20% darker color. If you saturate the color by 10%, you get **0E00D9**, and if you desaturate by 10%, it is **3429D9**.

Distribution



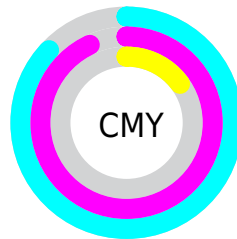
- Red (13%)
- Green (7%)
- Blue (85%)



- Red (13%)
- Yellow (7%)
- Blue (85%)



- Cyan (85%)
- Magenta (91%)
- Yellow (0%)
- Black (15%)



- Cyan (87%)
- Magenta (93%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2013D9 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 2013D9 by changing the saturation by 10% instead.

 2013D9

 2013D9

FFFFFF

 0000BC

 754BFF

 0000A0

 9665FF

 000085

 B780FF

 00046B

 D69BFF

 000B51

 F6B7FF

 000539

 FFD3FF

 000223

 FFF0FF

 000009

 000000

■ 2013D9

■ 2013D9

■ 0E00D9

■ 3429D9

■ 493ED9

■ 5D54D9

■ 716AD9

■ 857FD9

■ 9A95D9

■ AEABD9

■ C2C1D9

■ D6D6D9

Harmonies

Analogous

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



0052FD



2013D9



AF008E

Triad

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



2013D9



891400



005D55

Complementary

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



2013D9



CCD913

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



2013D9



454800

Square

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



2013D9



B90000



005600



0060AD

Rectangle

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



2013D9



C80055



005600



005C35

Sweetspot

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



2013D9



BFBAFF



13CFD9



595780



000000



808080

Same Dimension

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



2013D9



1100FF



8013D9



63636E



0B00AD



03002E

Inverse Universe

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



D913CC



FF00EE



6CD913



6E636D



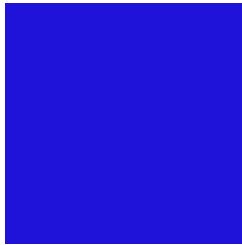
AD00A2



2E002B

Previews

White Background



This preview shows how the Hex color 2013D9 looks on a white background.

Color Contrast Check

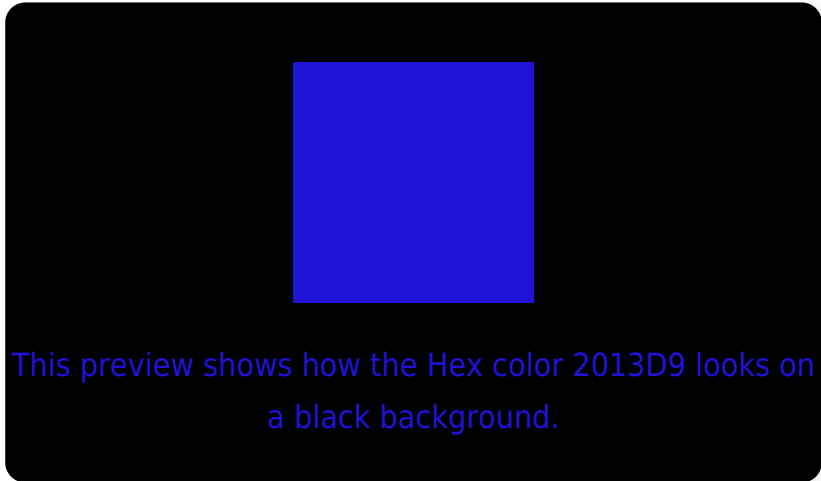
Large Text (above 18pt) WCAG AA ✓ Pass

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

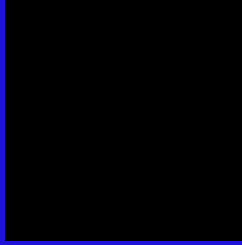
Any Text WCAG AA × Fail

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 2013D9 Background



This preview shows how black text looks on a background with the Hex color 2013D9.



This preview shows how white text looks on a background with the Hex color 2013D9.

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
2013D9

Protanopia
00428A

Deuteranopia
004675



Tritanopia
004C4F

Trichromacy



Original Color
2013D9

Protanomaly
0C31A7

Deuteranomaly
0C3399

Tritanomaly
0C3781

Monochromacy



Original Color
2013D9

Achromatopsia
2D2D2D

Achromatomaly
28246C

CSS Examples

Text

The CSS property to change the color of the text to Hex 2013D9 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 #2013D9 looks like.

```
.text, #text, p{  
    color:#2013D9  
}
```

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 #2013D9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2013D9
}
```

Border

The CSS property to change the border of an element to Hex 2013D9 is called "border". The border property can be set on classes, ids or directly on the HTML element.

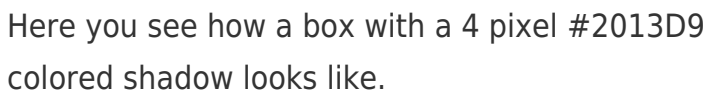
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2013D9 }
```

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

```
.border{ border-color:#2013D9 }
```

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



Here you see how a box with a 4 pixel #2013D9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2013D9; -webkit-box-shadow:4px 4px  
4px 4px #2013D9; box-shadow:4px 4px 4px  
4px #2013D9 }
```

Background

The CSS property to change the background color of an element to Hex 2013D9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2013D9 }
```

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

```
.background{ background-color:#2013D9 }
```

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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