

# Converting Colors

Hex(16DAF8)

Have a look what the booklet for  
Hex(16DAF8) contains.

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# **Color**

**Hex(16DAF8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16DAF8
RGB	22, 218, 248
RGB Percent	9%, 85%, 97%
CMY	0.9137, 0.1451, 0.0275
CMYK	0.91, 0.12, 0.00, 0.03
HSL	188°, 94%, 53%
HSV	188°, 91%, 97%
XYZ	42.3456, 57.0907, 97.5947
YIQ	162.8160, -126.4460, -32.2220

# Conversions

## Conversions Part 2

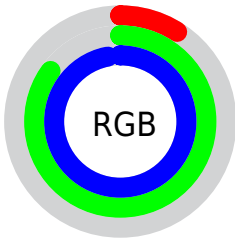
Format	Color
R <sub>Y</sub> B	22, 127, 248
Decimal	1497848
CIE Lab	80.23, -32.91, -26.92
CIE LCh	80, 42.516, 219.285
Yxy	57.0907, 0.2149, 0.2898
Android (android.graphics.Color)	4279687928 (0xFF16DAF8)
YUV	162.8160, 41.9957, -123.4956
Hunter-Lab	75.5584, -32.1895, -23.6908

# Details

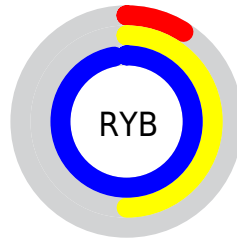
The Hex color **16DAF8** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **F83416**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **77FFFF**, and **00A3C0** is the 20% darker color. If you saturate the color by 10%, you get **00D7F8**, and if you desaturate by 10%, it is **2FDDF8**.

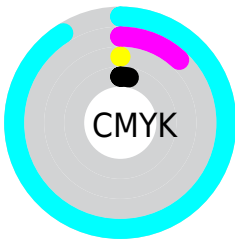
# Distribution



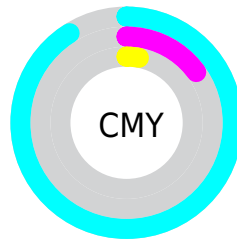
- Red (9%)
- Green (85%)
- Blue (97%)



- Red (9%)
- Yellow (50%)
- Blue (97%)



- Cyan (91%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)



- Cyan (91%)
- Magenta (15%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 16DAF8 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 16DAF8 by changing the saturation by 10% instead.



 16DAF8

 16DAF8

FFFFFF

 00BEDB

 77FFFF

 00A3C0

 99FFFF

 0088A4

 BAffff

 006E8A

 DAffff

 005570

 FAffff

 003D58

 002840

 00052B

 000115

 16DAF8

 16DAF8

 00D7F8

 2FDDF8

 48E1F8

 60E4F8

 79E7F8

 92EAF8

 ABEEF8

 C4F1F8

 DCF4F8

 F5F8F8

# Harmonies

## Analogous

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



3FDCD2



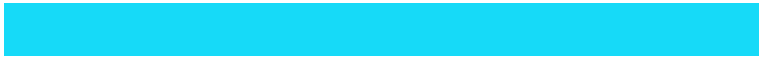
16DAF8



5CD3FF

# Triad

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



16DAF8



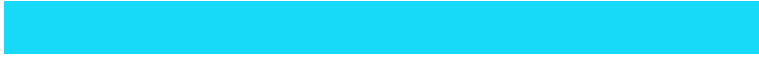
FFACE4



D5C978

# Complementary

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



16DAF8



F83416

# 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.



F8BB7D



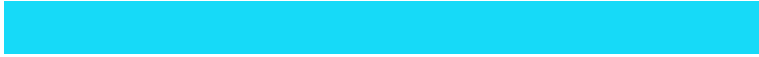
16DAF8



FFA8BC

# Square

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



16DAF8



DCB8FF



FFAE97



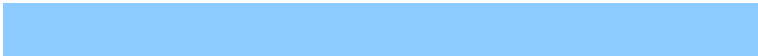
AAD388

# Rectangle

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



16DAF8



8BCBFF



FFAE97



E2C477



# Sweetspot

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



16DAF8



BAF6FF



16F830



577A80



000000

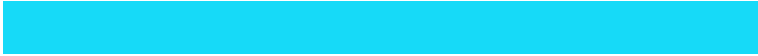


808080

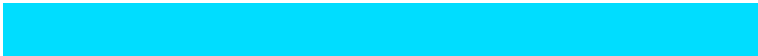


# Same Dimension

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



16DAF8



00DDFF



166DF8



707B7D



00A4BD



00353D



# Inverse Universe

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



F816DA



FF00DD



F8A116



7D707B



BD00A4

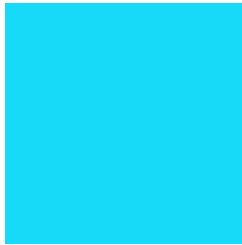


3D0035



# Previews

## White Background



This preview shows how the Hex color 16DAF8 looks on a white background.

## Color Contrast Check

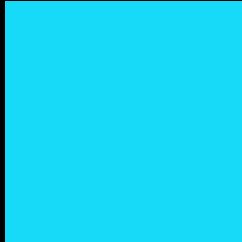
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 16DAF8 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 16DAF8 Background



This preview shows how black text looks on a background with the Hex color 16DAF8.

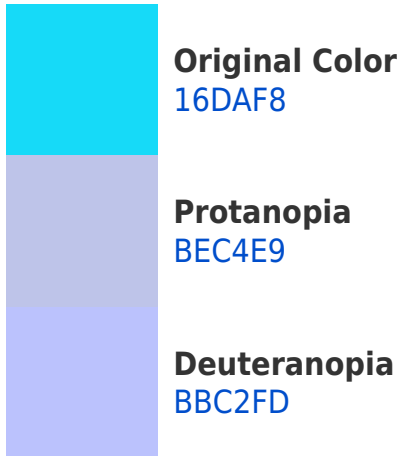


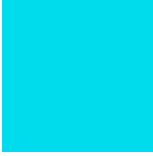
This preview shows how white text looks on a background with the Hex color 16DAF8.

# 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





**Tritanopia**  
00DBED

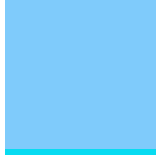
# Trichromacy



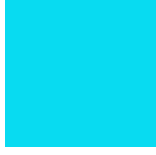
**Original Color**  
16DAF8



**Protanomaly**  
81CCEE



**Deuteranomaly**  
7FCBF8



**Tritanomaly**  
08DBF1

# Monochromacy



**Original Color**  
16DAF8



**Achromatopsia**  
A3A3A3



**Achromatomaly**  
70B7C2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 16DAF8 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 #16DAF8 looks like.

```
.text, #text, p{  
    color:#16DAF8  
}
```

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 #16DAF8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16DAF8
}
```

## Border

The CSS property to change the border of an element to Hex 16DAF8 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
#16DAF8 }
```

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

```
.border{ border-color:#16DAF8 }
```

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

Here you see how a box with a 4 pixel #16DAF8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16DAF8; -webkit-box-shadow:4px 4px  
4px 4px #16DAF8; box-shadow:4px 4px 4px  
4px #16DAF8 }
```

# Background

The CSS property to change the background color of an element to Hex 16DAF8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16DAF8 }
```

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

```
.background{ background-color:#16DAF8 }
```

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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