

# Converting Colors

Hex(16C5E0)

Have a look what the booklet for  
Hex(16C5E0) contains.

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# **Color**

**Hex(16C5E0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16C5E0
RGB	22, 197, 224
RGB Percent	9%, 77%, 88%
CMY	0.9137, 0.2275, 0.1216
CMYK	0.90, 0.12, 0.00, 0.12
HSL	188°, 82%, 48%
HSV	188°, 90%, 88%
XYZ	33.7517, 45.4849, 77.5216
YIQ	147.7530, -112.9670, -28.7030

# Conversions

## Conversions Part 2

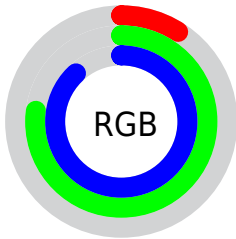
Format	Color
R <sub>Y</sub> B	22, 116, 224
Decimal	1492448
CIE Lab	73.21, -30.46, -24.78
CIE LCh	73, 39.262, 219.129
Yxy	45.4849, 0.2153, 0.2902
Android (android.graphics.Color)	4279682528 (0xFF16C5E0)
YUV	147.7530, 37.5898, -110.2854
Hunter-Lab	67.4425, -28.6938, -20.9410

# Details

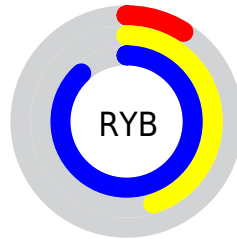
The Hex color **16C5E0** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **E03116**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **71FEFF**, and **008FA9** is the 20% darker color. If you saturate the color by 10%, you get **00C2E0**, and if you desaturate by 10%, it is **2CC8E0**.

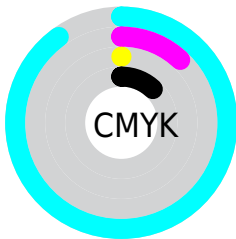
# Distribution



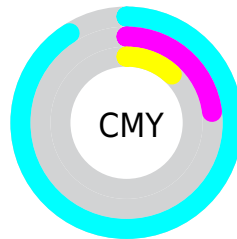
- Red (9%)
- Green (77%)
- Blue (88%)



- Red (9%)
- Yellow (45%)
- Blue (88%)



- Cyan (90%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)



- Cyan (91%)
- Magenta (23%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 16C5E0 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 16C5E0 by changing the saturation by 10% instead.



 16C5E0

 16C5E0

FFFFFF

 00AAC4

 71FEFF

 008FA9

 92FFFF

 00758E

 B1FFFF

 005C75

 D1FFFF

 00445C

 F0FFFF

 002D44

 00162E

 000119

 000000

■ 16C5E0

■ 16C5E0

■ 00C2E0

■ 2CC8E0

■ 43CB E0

■ 59CEE0

■ 70D1E0

■ 86D4E0

■ 9CD7E0

■ B3DAE0

■ C9DDE0

■ E0E0E0

# Harmonies

## Analogous

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



39C7BE



16C5E0



52BEF6

# Triad

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



16C5E0



EA9BCE



C1B56C

# Complementary

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



16C5E0



E03116

# 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.



E1A971



16C5E0



F998AA

# Square

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



16C5E0



C6A6EC



F59D88



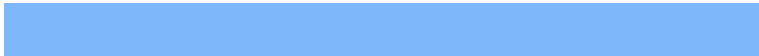
99BF7B

# Rectangle

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



16C5E0



7EB8FB



F59D88



CCB16B



# Sweetspot

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



16C5E0



BAF6FF



16E031



577A80



000000



808080

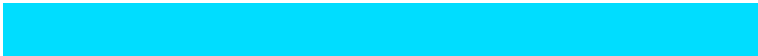


# Same Dimension

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



16C5E0



00DDFF



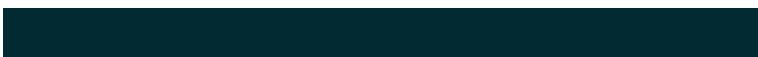
1660E0



656F70



0098B0



002A30



# Inverse Universe

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



E016C5



FF00DD



E09616



70656F



B00098

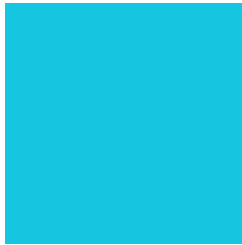


30002A



# Previews

## White Background



This preview shows how the Hex color 16C5E0 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 16C5E0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

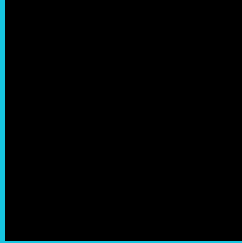
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 16C5E0 Background



This preview shows how black text looks on a background with the Hex color 16C5E0.

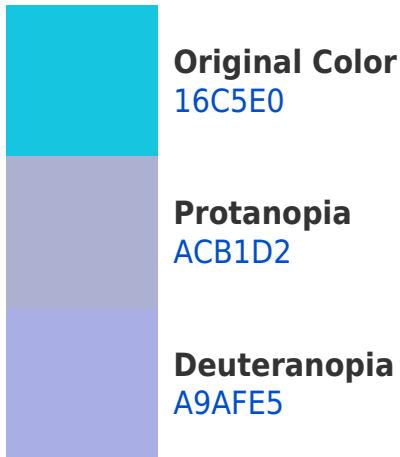


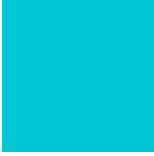
This preview shows how white text looks on a background with the Hex color 16C5E0.

# 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



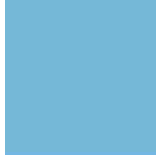


**Tritanopia**  
00C6D6

# Trichromacy



**Original Color**  
16C5E0



**Protanomaly**  
75B8D7



**Deuteranomaly**  
74B7E3



**Tritanomaly**  
08C6DA

# Monochromacy



**Original Color**  
16C5E0



**Achromatopsia**  
949494



**Achromatomaly**  
66A6B0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 16C5E0 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 #16C5E0 looks like.

```
.text, #text, p{  
    color:#16C5E0  
}
```

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 #16C5E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16C5E0
}
```

## Border

The CSS property to change the border of an element to Hex 16C5E0 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
#16C5E0 }
```

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

```
.border{ border-color:#16C5E0 }
```

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

Here you see how a box with a 4 pixel #16C5E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16C5E0; -webkit-box-shadow:4px 4px  
4px 4px #16C5E0; box-shadow:4px 4px 4px  
4px #16C5E0 }
```

# Background

The CSS property to change the background color of an element to Hex 16C5E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16C5E0 }
```

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

```
.background{ background-color:#16C5E0 }
```

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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