

# Converting Colors

Hex(38DEE2)

Have a look what the booklet for  
Hex(38DEE2) contains.

<b>Hex(38DEE2)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(38DEE2)

# Conversions

## Conversions Part 1

Format	Color
Hex	38DEE2
RGB	56, 222, 226
RGB Percent	22%, 87%, 89%
CMY	0.7804, 0.1294, 0.1137
CMYK	0.75, 0.02, 0.00, 0.11
HSL	181°, 75%, 55%
HSV	181°, 75%, 89%
XYZ	41.4796, 58.5743, 81.0713
YIQ	172.8220, -100.2200, -33.9480

# Conversions

## Conversions Part 2

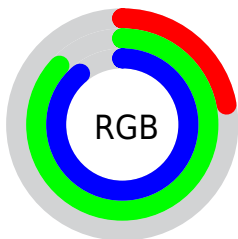
Format	Color
<b>RYB</b>	56, 140, 226
Decimal	3727074
CIELab	81.06, -39.09, -13.93
CIElCh	81, 41.499, 199.617
Yxy	58.5743, 0.2290, 0.3234
Android (android.graphics.Color)	4281917154 (0xFF38DDE2)
YUV	172.8220, 26.2168, -102.4529
Hunter-Lab	76.5338, -37.1912, -9.2314

# Details

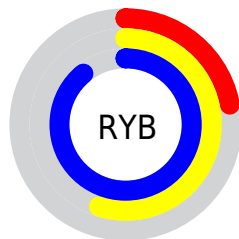
The Hex color **38DEE2** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **E23C38**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **82FFFF**, and **00A6AB** is the 20% darker color. If you saturate the color by 10%, you get **21DDE2**, and if you desaturate by 10%, it is **4FDDE2**.

# Distribution



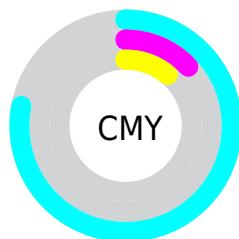
- Red (22%)
- Green (87%)
- Blue (89%)



- Red (22%)
- Yellow (55%)
- Blue (89%)



- Cyan (75%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (78%)
- Magenta (13%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 38DEE2 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 38DEE2 by changing the saturation by 10% instead.



 38DEE2

 38DEE2

FFFFFF

 00C2C6

 82FFFF

 00A6AB

 A2FFFF

 008B90

 C2FFFF

 007177

 E1FFFF

 00585E

 004046

 002A30

 00091C

 000000

 38DEE2

 38DEE2

 21DDE2

 4FDDE2

 0BDDE2

 65DFE2

 00DDE2

 7CE0E2

 92E0E2

 A9E1E2

 C0E1E2

 D6E2E2

 EDE2E2

 FFE3E2

# Harmonies

## Analogous

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



6BDDBA



38DEE2



3BDAFF

# Triad

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



38DEE2



EDB6FC



EFC27D

# Complementary

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



38DEE2



E23C38

# 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.



FFB590



38DEE2



FFADD8

# Square

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



38DEE2



BAC4FF



FFACB1



C9CF7F

# Rectangle

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



38DEE2



64D5FF



FFACB1



FABE81



# Sweetspot

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



38DEE2



C4FEFF



38E23B



5C7F80



000000



808080



# Same Dimension

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



38DEE2



19FAFF



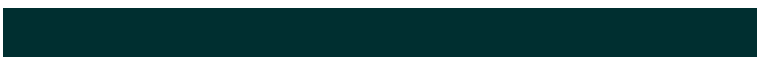
388AE2



657070



00ACB0



002F30



# Inverse Universe

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



E238DE



FF19FA



E29038



706570



B000AC

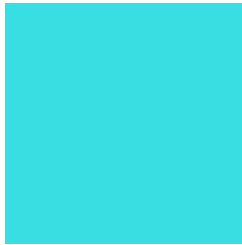


30002F



# Previews

## White Background



This preview shows how the Hex color 38DEE2 looks on a white background.

## Color Contrast Check

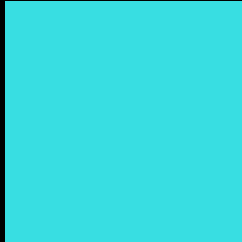
Large Text (above 18pt) WCAG AA × Fail

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 38DEE2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

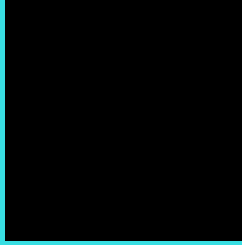
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 38DEE2 Background



This preview shows how black text looks on a background with the Hex color 38DEE2.

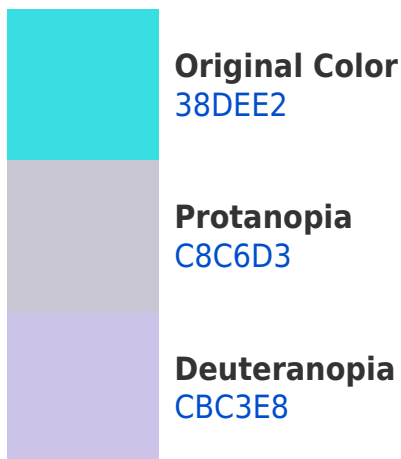


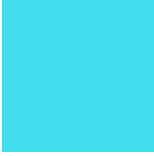
This preview shows how white text looks on a background with the Hex color 38DEE2.

# 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**  
41DCEE

# Trichromacy



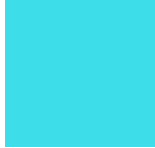
**Original Color**  
38DEE2



**Protanomaly**  
94CFD8



**Deuteranomaly**  
96CDE6

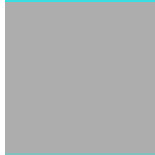


**Tritanomaly**  
3EDDEA

# Monochromacy



**Original Color**  
38DEE2



**Achromatopsia**  
ADADAD



**Achromatomaly**  
82BFC0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 38DEE2 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 #38DEE2 looks like.

```
.text, #text, p{  
    color:#38DEE2  
}
```

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 #38DEE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #38DEE2
}
```

## Border

The CSS property to change the border of an element to Hex 38DEE2 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
#38DEE2 }
```

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

```
.border{ border-color:#38DEE2 }
```

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

Here you see how a box with a 4 pixel #38DEE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #38DEE2; -webkit-box-shadow:4px 4px  
4px 4px #38DEE2; box-shadow:4px 4px 4px  
4px #38DEE2 }
```

# Background

The CSS property to change the background color of an element to Hex 38DEE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#38DEE2 }
```

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

```
.background{ background-color:#38DEE2 }
```

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