

# Converting Colors

Hex(3DDDFD)

Have a look what the booklet for  
Hex(3DDFDF) contains.

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

# **Color**

**Hex(3DDFDF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DDDFD
RGB	61, 223, 223
RGB Percent	24%, 87%, 87%
CMY	0.7608, 0.1255, 0.1255
CMYK	0.73, 0.00, 0.00, 0.13
HSL	180°, 72%, 56%
HSV	180°, 73%, 87%
XYZ	41.6314, 59.0952, 79.0243
YIQ	174.5620, -96.5520, -34.3440

# Conversions

## Conversions Part 2

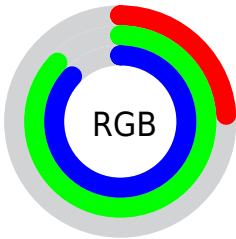
Format	Color
<a href="#">RYB</a>	<a href="#">61, 142, 223</a>
Decimal	<a href="#">4055007</a>
CIELab	<a href="#">81.34, -39.86, -11.90</a>
CIElCh	<a href="#">81, 41.603, 196.620</a>
Yxy	<a href="#">59.0952, 0.2316, 0.3288</a>
Android (android.graphics.Color)	<a href="#">4282245087 (0xFF3DDFDF)</a>
YUV	<a href="#">174.5620, 23.8799, -99.5939</a>
Hunter-Lab	<a href="#">76.8734, -37.8602, -7.1376</a>

# Details

The Hex color **3DDDFD** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **DF3D3D**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **85FFFF**, and **00A7A8** is the 20% darker color. If you saturate the color by 10%, you get **27DFDF**, and if you desaturate by 10%, it is **53DFDF**.

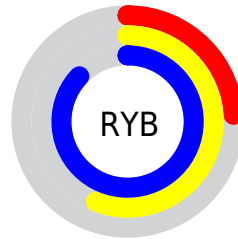
# Distribution



Red (24%)

Green (87%)

Blue (87%)



Red (24%)

Yellow (56%)

Blue (87%)

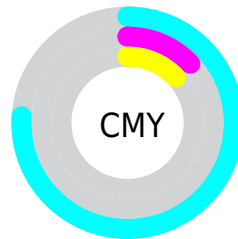


Cyan (73%)

Magenta (0%)

Yellow (0%)

Black (13%)



Cyan (76%)

Magenta (13%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3DDFDF 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 3DDFDF by changing the saturation by 10% instead.



 3DDDFD

 3DDDFD

FFFFFF

 00C3C3

 85FFFF

 00A7A8

 A5FFFF

 008C8E

 C4FFFF

 007274

 E3FFFF

 00595B

 004044

 002A2E

 000B1A

 000000

 3DDFDF

 3DDFDF

 27DFDF

 53DFDF

 10DFDF

 6ADFDF

 00DFDF

 80DFDF

 96DFDF

 ACDFDF

 C3DFDF

 D9DFDF

 EFDFDF

 FFDFDF

# Harmonies

## Analogous

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



71DEB7



3DDDFD



36DBFF

# Triad

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



3DDDFD



EAB8FF



F3C27E

# Complementary

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



3DDDFD



DF3D3D

# 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.



FFB593



3DDDFD



FFAEDD

# Square

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



3DDDFD



B5C6FF



FFADB6



CECF7E

# Rectangle

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



3DDDFD



5ED6FF



FFADB6



FEBD83



# Sweetspot

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



3DDDFD



C7FFFF



3DDF3D



5E8080



000000



808080



# Same Dimension

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



3DDDFD



21FFFF



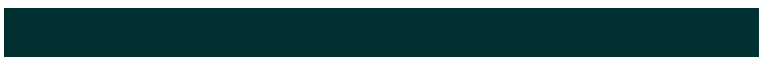
3D8EDF



657070



00B0B0



003030



# Inverse Universe

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



DF3DDF



FF21FF



DF8E3D



706570



B000B0

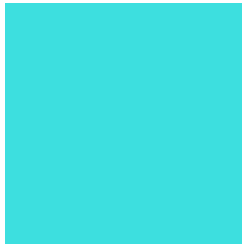


300030



# Previews

## White Background



This preview shows how the Hex color 3DDDFD looks on a white background.

## Color Contrast Check

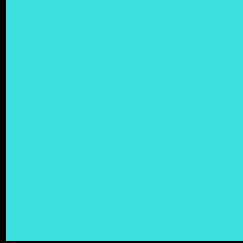
Large Text (above 18pt) WCAG AA × Fail

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 3DDDFD 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 3DDFDF Background



This preview shows how black text looks on a background with the Hex color 3DDFDF.

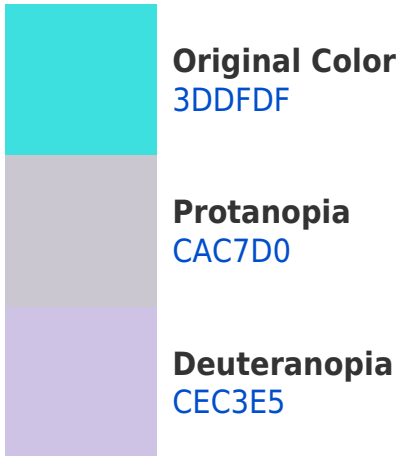


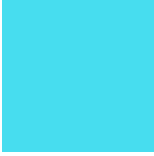
This preview shows how white text looks on a background with the Hex color 3DDFDF.

# 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**  
47DDEF

# Trichromacy



**Original Color**  
3DDFDF



**Protanomaly**  
97D0D5



**Deuteranomaly**  
99CDE3

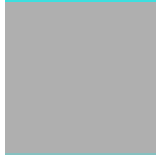


**Tritanomaly**  
43DEE9

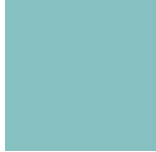
# Monochromacy



**Original Color**  
3DDFDF



**Achromatopsia**  
AFAFAF



**Achromatomaly**  
86C0C0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3DDDFD 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 #3DDDFD looks like.

```
.text, #text, p{  
  color:#3DDDFD  
}
```

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 #3DDFDF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3DDFDF
}
```

## Border

The CSS property to change the border of an element to Hex 3DDFDF 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
#3DDFDF }
```

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

```
.border{ border-color:#3DDFDF }
```

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

Here you see how a box with a 4 pixel #3DDFDF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3DDFDF; -webkit-box-shadow:4px 4px  
4px 4px #3DDFDF; box-shadow:4px 4px 4px  
4px #3DDFDF }
```

# Background

The CSS property to change the background color of an element to Hex 3DDFDF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3DDFDF }
```

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

```
.background{ background-color:#3DDFDF }
```

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