

Converting Colors

Hex(2DEFE7)

Have a look what the booklet for
Hex(2DEFE7) contains.

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Color

Hex(2DEFE7)

Conversions

Conversions Part 1

Format	Color
Hex	2DEFE7
RGB	45, 239, 231
RGB Percent	18%, 94%, 91%
CMY	0.8235, 0.0627, 0.0941
CMYK	0.81, 0.00, 0.03, 0.06
HSL	178°, 86%, 56%
HSV	178°, 81%, 94%
XYZ	46.3725, 68.0604, 86.2942
YIQ	180.0820, -113.0560, -43.6160

Conversions

Conversions Part 2

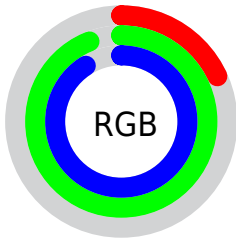
Format	Color
RYB	45, 144, 239
Decimal	3010535
CIELab	86.04, -46.19, -9.16
CIELCh	86, 47.092, 191.215
Yxy	68.0604, 0.2310, 0.3391
Android (android.graphics.Color)	4281200615 (0xFF2DEFE7)
YUV	180.0820, 25.1026, -118.4669
Hunter-Lab	82.4987, -44.0380, -4.2686

Details

The Hex color **2DEFE7** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **EF2D35**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **7FFFFFF**, and **00B6B0** is the 20% darker color. If you saturate the color by 10%, you get **15EFE6**, and if you desaturate by 10%, it is **45EFE8**.

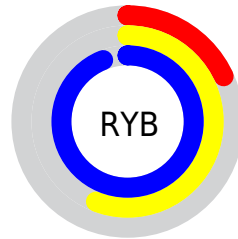
Distribution



Red (18%)

Green (94%)

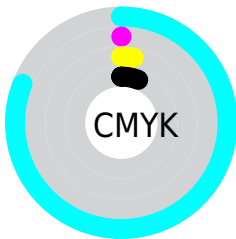
Blue (91%)



Red (18%)

Yellow (56%)

Blue (94%)

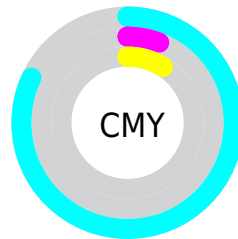


Cyan (81%)

Magenta (0%)

Yellow (3%)

Black (6%)



Cyan (82%)

Magenta (6%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2DEFE7 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 2DEFE7 by changing the saturation by 10% instead.

 2DEFE7

FFFFFF

 7FFFFFFF

 A1FFFF


 C1FFFF

 E1FFFF

 2DEFE7

 00D2CB

 00B6B0

 009B95

 00807B

 006662

 004D4B

 003534

 001E1F

 000006

 2DEFE7

 2DEFE7

 15EFE6

 45EFE8

 00EFE5

 5DEFE9

 75EFEA

 8DEFEB

 A4EFEC

 BCEFED

 D4EFEE

 ECEFEF

 FFEFF0

Harmonies

Analogous

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



7AEDB9



2DEFE7



00ECFF

Triad

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



2DEFE7



F2C5FF



FFCB83

Complementary

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



2DEFE7



EF2D35

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.



FFBC9E



2DEFE7



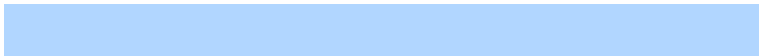
FFB8F5

Square

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



2DEFE7



B1D6FF



FFB4C8



E4DA7E

Rectangle

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



2DFE7



3DE7FF



FFB4C8



FFC68A

Sweetspot

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



2DEFE7



C2FFFC



37EF2D



5B807E



000000



808080

Same Dimension

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



2DEFE7



08FFF5



2D98EF



6C7877



00B8B0



003836

Inverse Universe

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



EF2D35



FF0812



EF842D



786C6C



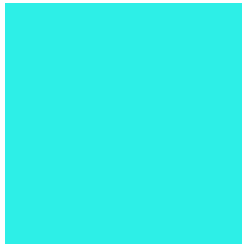
B80008



380002

Previews

White Background



This preview shows how the Hex color 2DEFE7 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 2DEFE7 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

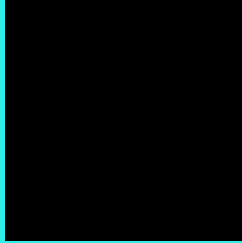
Any Text WCAG AA ✓ Pass

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 2DEFE7 Background



This preview shows how black text looks on a background with the Hex color 2DEFE7.

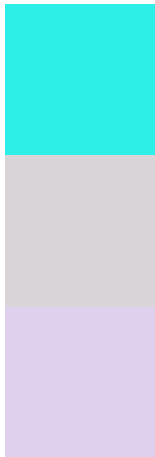


This preview shows how white text looks on a background with the Hex color 2DEFE7.

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](#).

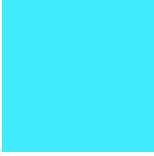
Dichromacy



Original Color
2DEFE7

Protanopia
D8D4D7

Deuteranopia
DFD0EE



Tritanopia
41EBFF

Trichromacy



Original Color
2DEFE7



Protanomaly
9AEDDD



Deuteranomaly
9EDBEB

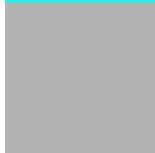


Tritanomaly
3AECF6

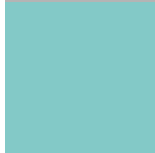
Monochromacy



Original Color
2DEFE7



Achromatopsia
B4B4B4



Achromatomaly
83C9C7

CSS Examples

Text

The CSS property to change the color of the text to Hex 2DEFE7 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 #2DEFE7 looks like.

```
.text, #text, p{  
    color:#2DEFE7  
}
```

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 #2DEFE7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DEFE7
}
```

Border

The CSS property to change the border of an element to Hex 2DEFE7 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
#2DEFE7 }
```

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

```
.border{ border-color:#2DEFE7 }
```

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

Here you see how a box with a 4 pixel #2DEFE7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DEFE7; -webkit-box-shadow:4px 4px  
4px 4px #2DEFE7; box-shadow:4px 4px 4px  
4px #2DEFE7 }
```

Background

The CSS property to change the background color of an element to Hex 2DEFE7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DEFE7 }
```

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

```
.background{ background-color:#2DEFE7 }
```

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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