

# Converting Colors

Hex(25DDBD)

Have a look what the booklet for  
Hex(25DDBD) contains.

<b>Hex(25DDBD)</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(25DDBD)

# Conversions

## Conversions Part 1

Format	Color
Hex	25DDBD
RGB	37, 221, 189
RGB Percent	15%, 87%, 74%
CMY	0.8549, 0.1333, 0.2588
CMYK	0.83, 0.00, 0.14, 0.13
HSL	170°, 73%, 51%
HSV	170°, 83%, 87%
XYZ	35.8047, 55.7803, 57.0237
YIQ	162.3360, -99.3920, -48.9600

# Conversions

## Conversions Part 2

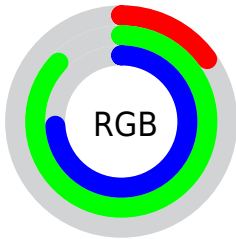
Format	Color
<a href="#">RYB</a>	<a href="#">37, 138, 221</a>
Decimal	<a href="#">2481597</a>
CIELab	<a href="#">79.49, -50.48, 3.42</a>
CIELCh	<a href="#">79, 50.597, 176.119</a>
Yxy	<a href="#">55.7803, 0.2409, 0.3754</a>
Android (android.graphics.Color)	<a href="#">4280671677</a> ( <a href="#">0xFF25DDBD</a> )
YUV	<a href="#">162.3360, 13.1454, -109.9197</a>
Hunter-Lab	<a href="#">74.6862, -45.1277, 7.0119</a>

# Details

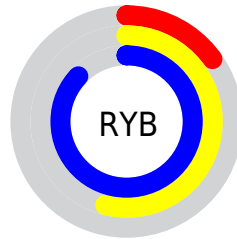
The Hex color **25DDBD** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **DD2545**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **76FFF5**, and **00A588** is the 20% darker color. If you saturate the color by 10%, you get **0FDDB9**, and if you desaturate by 10%, it is **3BDDC1**.

# Distribution



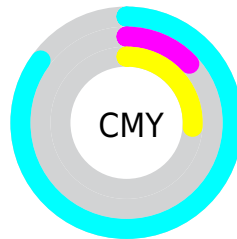
- Red (15%)
- Green (87%)
- Blue (74%)



- Red (15%)
- Yellow (54%)
- Blue (87%)



- Cyan (83%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)



- Cyan (85%)
- Magenta (13%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 25DDBD 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 25DDBD by changing the saturation by 10% instead.



 25DDBD

 25DDBD

FFFFFF

 00C1A2

 76FFF5

 00A588

 96FFFF

 008A6E

 B6FFFF

 006F56

 D5FFFF

 00563F

 F4FFFF

 003D29

 002715

 000000

 25DDBD

 25DDBD

 0FDDB9

 3BDDC1

 00DDB7

 51DDC5

 67DDC9

 7DDDC

 94DDD0

 AADDD4

 C0DDD8

 D6DDDC

 ECDDE0

# Harmonies

## Analogous

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



80D88F



25DDBD



00DDED

# Triad

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



25DDBD



C0BBFF



FFAF78

# Complementary

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



25DDBD



DD2545

# 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.



FFA29E



25DDBD



FAA9FA

# Square

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



25DDBD



69CCFF



FF9FCD



E7C065

# Rectangle

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



25DDBD



00DAFF



FF9FCD



FFAA83

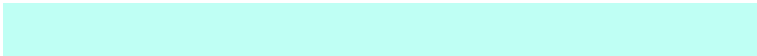


# Sweetspot

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



25DDBD



BFFFF4



47DD25



598079



000000



808080



# Same Dimension

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



25DDBD



00FFD3



25A3DD



636E6C



00AD8F



002E26



# Inverse Universe

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



DD2545



FF002C



DD5F25



6E6365



AD001E

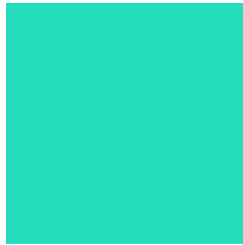


2E0008



# Previews

## White Background



This preview shows how the Hex color 25DDBD looks on a white background.

### Color Contrast Check

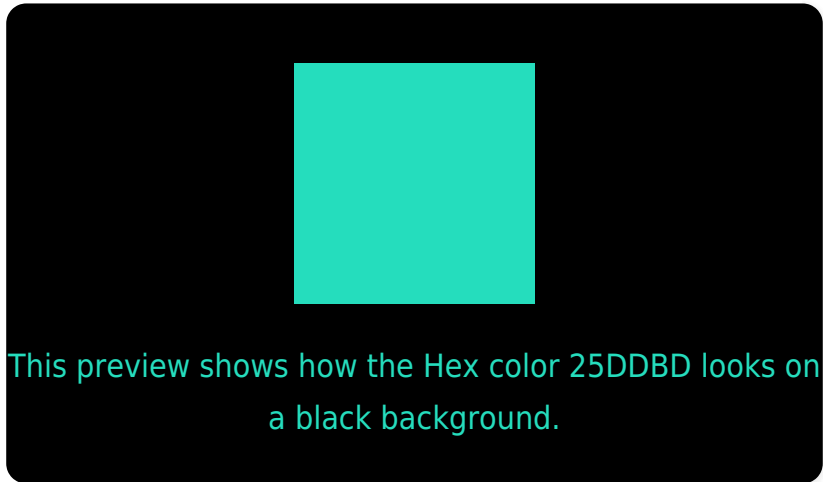
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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

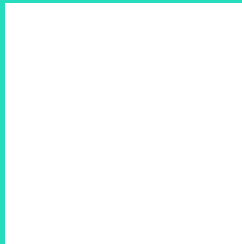
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 25DDBD Background



This preview shows how black text looks on a background with the Hex color 25DDBD.

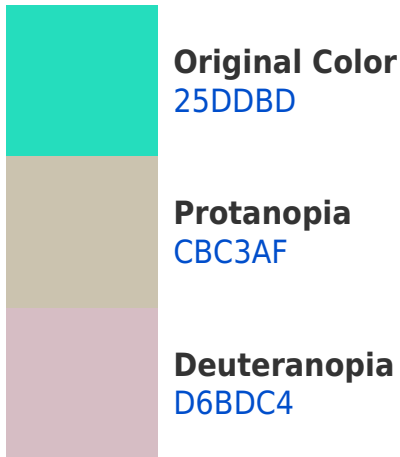


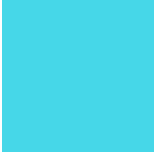
This preview shows how white text looks on a background with the Hex color 25DDBD.

# 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**  
46D7E8

# Trichromacy



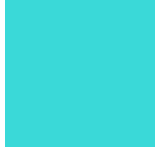
**Original Color**  
25DDBD



**Protanomaly**  
8FCCB4



**Deuteranomaly**  
96C9C1



**Tritanomaly**  
3AD9D8

# Monochromacy



**Original Color**  
25DDBD



**Achromatopsia**  
A2A2A2



**Achromatomaly**  
75B7AC

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 25DDBD 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 #25DDBD looks like.

```
.text, #text, p{  
    color:#25DDBD  
}
```

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 #25DDBD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #25DDBD
}
```

## Border

The CSS property to change the border of an element to Hex 25DDBD 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
#25DDBD }
```

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

```
.border{ border-color:#25DDBD }
```

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

Here you see how a box with a 4 pixel #25DDBD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #25DDBD; -webkit-box-shadow:4px 4px  
4px 4px #25DDBD; box-shadow:4px 4px 4px  
4px #25DDBD }
```

# Background

The CSS property to change the background color of an element to Hex 25DDBD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#25DDBD }
```

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

```
.background{ background-color:#25DDBD }
```

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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