

# Converting Colors

Hex(27D8BF)

Have a look what the booklet for  
Hex(27D8BF) contains.

<b>Hex(27D8BF)</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(27D8BF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27D8BF
RGB	39, 216, 191
RGB Percent	15%, 85%, 75%
CMY	0.8471, 0.1529, 0.2510
CMYK	0.82, 0.00, 0.12, 0.15
HSL	172°, 69%, 50%
HSV	172°, 82%, 85%
XYZ	34.7965, 53.3047, 57.7451
YIQ	160.2270, -97.4670, -45.2990

# Conversions

## Conversions Part 2

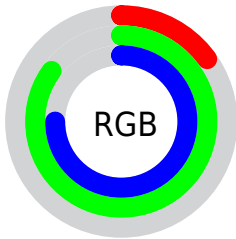
Format	Color
R <sub>Y</sub> B	39, 134, 216
Decimal	2611391
CIE Lab	78.05, -47.72, 0.27
CIE LCh	78, 47.722, 179.670
Yxy	53.3047, 0.2386, 0.3655
Android (android.graphics.Color)	4280801471 (0xFF27D8BF)
YUV	160.2270, 15.1711, -106.3161
Hunter-Lab	73.0100, -42.6946, 4.2134

# Details

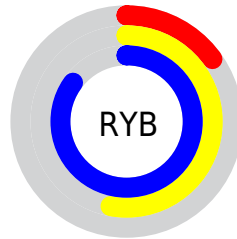
The Hex color **27D8BF** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **D82740**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **76FFF7**, and **00A08A** is the 20% darker color. If you saturate the color by 10%, you get **11D8BC**, and if you desaturate by 10%, it is **3DD8C2**.

# Distribution



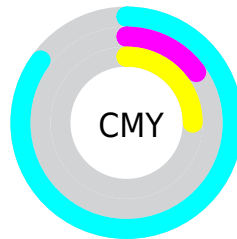
- Red (15%)
- Green (85%)
- Blue (75%)



- Red (15%)
- Yellow (53%)
- Blue (85%)



- Cyan (82%)
- Magenta (0%)
- Yellow (12%)
- Black (15%)



- Cyan (85%)
- Magenta (15%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 27D8BF 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 27D8BF by changing the saturation by 10% instead.



 27D8BF

 27D8BF

FFFFFF

 00BCA4

 76FFF7

 00A08A

 96FFFF

 008570

 B5FFFF

 006B58

 D4FFFF

 005241

 F3FFFF

 00392B

 002316

 000000

 27D8BF

 27D8BF

■ 11D8BC

■ 3DD8C2

■ 00D8B9

■ 52D8C5

■ 68D8C8

■ 7DD8CB

■ 93D8CE

■ A9D8D1

■ BED8D4

■ D4D8D7

■ E9D8DA

# Harmonies

## Analogous

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



79D493



27D8BF



00D7EB

# Triad

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



27D8BF



C4B6FF



FFAF75

# Complementary

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



27D8BF



D82740

# 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.



FFA197



27D8BF



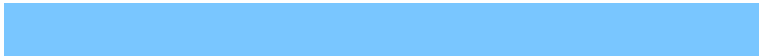
F8A6EE

# Square

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



27D8BF



79C6FF



FF9DC3



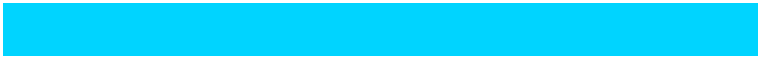
DDBE67

# Rectangle

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



27D8BF



00D4FF



FF9DC3



FFA97F

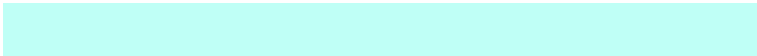


# Sweetspot

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



27D8BF



BFFFF6



42D827



59807A



000000



808080



# Same Dimension

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



27D8BF



05FFDC



279AD8



606B6A



00AB93



002B25



# Inverse Universe

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



D82740



FF0528



D86527



6B6062



AB0018

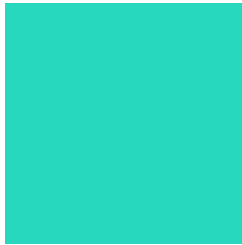


2B0006



# Previews

## White Background



This preview shows how the Hex color 27D8BF looks on a white background.

## Color Contrast Check

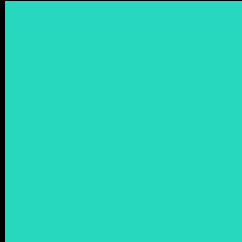
Large Text (above 18pt) WCAG AA × Fail

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 27D8BF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

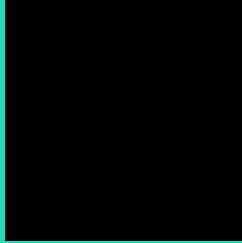
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

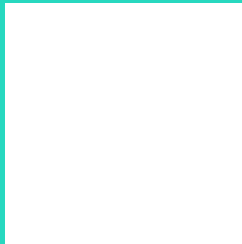
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 27D8BF Background



This preview shows how black text looks on a background with the Hex color 27D8BF.



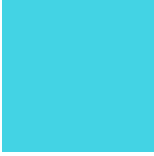
This preview shows how white text looks on a background with the Hex color 27D8BF.

# 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](#).

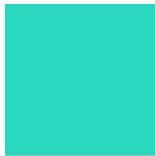
## Dichromacy



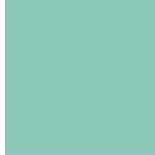


**Tritanopia**  
43D3E4

# Trichromacy



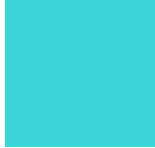
**Original Color**  
27D8BF



**Protanomaly**  
8CC8B6



**Deuteranomaly**  
92C4C3



**Tritanomaly**  
39D5D7

# Monochromacy



**Original Color**  
27D8BF



**Achromatopsia**  
A0A0A0



**Achromatomaly**  
74B4AB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 27D8BF 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 #27D8BF looks like.

```
.text, #text, p{  
    color:#27D8BF  
}
```

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 #27D8BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #27D8BF
}
```

## Border

The CSS property to change the border of an element to Hex 27D8BF 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
#27D8BF }
```

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

```
.border{ border-color:#27D8BF }
```

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

Here you see how a box with a 4 pixel #27D8BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #27D8BF; -webkit-box-shadow:4px 4px  
4px 4px #27D8BF; box-shadow:4px 4px 4px  
4px #27D8BF }
```

# Background

The CSS property to change the background color of an element to Hex 27D8BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#27D8BF }
```

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

```
.background{ background-color:#27D8BF }
```

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