

# Converting Colors

Hex(12DCE5)

Have a look what the booklet for  
Hex(12DCE5) contains.

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# Color

Hex(12DCE5)

# Conversions

## Conversions Part 1

Format	Color
Hex	12DCE5
RGB	18, 220, 229
RGB Percent	7%, 86%, 90%
CMY	0.9294, 0.1373, 0.1020
CMYK	0.92, 0.04, 0.00, 0.10
HSL	183°, 85%, 48%
HSV	183°, 92%, 90%
XYZ	39.9855, 56.9721, 83.0180
YIQ	160.6280, -123.2810, -40.0250

# Conversions

## Conversions Part 2

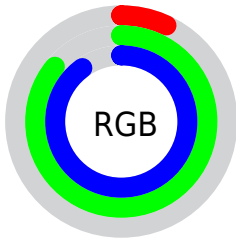
Format	Color
R <sub>YB</sub>	18, 121, 229
Decimal	1236197
CIE Lab	80.16, -39.85, -16.91
CIE LCh	80, 43.291, 202.996
Yxy	56.9721, 0.2222, 0.3166
Android (android.graphics.Color)	4279426277 (0xFF12DCE5)
YUV	160.6280, 33.7074, -125.0848
Hunter-Lab	75.4799, -37.5293, -12.3753

# Details

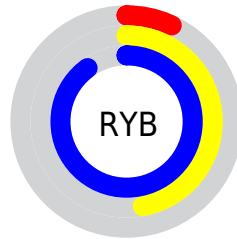
The Hex color **12DCE5** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **E51B12**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **73FFFF**, and **00A4AE** is the 20% darker color. If you saturate the color by 10%, you get **00DBE5**, and if you desaturate by 10%, it is **29DDE5**.

# Distribution



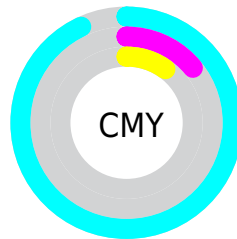
- Red (7%)
- Green (86%)
- Blue (90%)



- Red (7%)
- Yellow (47%)
- Blue (90%)



- Cyan (92%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (93%)
- Magenta (14%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12DCE5 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 12DCE5 by changing the saturation by 10% instead.



 12DCE5

 12DCE5

FFFFFF

 00C0C9


 73FFFF

 00A4AE

 95FFFF

 008993

 B6FFFF

 006F79

 D6FFFF

 005660

 F5FFFF

 003E49

 002932

 00031E

 000000

 12DCE5

 12DCE5

 00DBE5

 29DDE5

 40DEE5

 57DFE5

 6EE0E5

 84E1E5

 9BE2E5

 B2E3E5

 C9E4E5

 E0E5E5

# Harmonies

## Analogous

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



5CDCBC



12DCE5



29D7FF

# Triad

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



12DCE5



F1B1F8



EAC176

# Complementary

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



12DCE5



E51B12

# 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.



FFB388



12DCE5



FFA8D2

# Square

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



12DCE5



BEC0FF



FFA9A9



C2CE7B

# Rectangle

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



12DCE5



61D1FF



FFA9A9



F5BC7A



# Sweetspot

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



12DCE5



B8FCFF



12E519



547E80



000000



808080



# Same Dimension

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



12DCE5



00F4FF



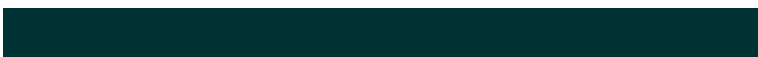
1274E5



677273



00ABB3



003133



# Inverse Universe

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



E512DC



FF00F4



E58312



736772



B300AB

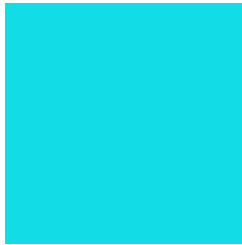


330031



# Previews

## White Background



This preview shows how the Hex color 12DCE5 looks on a white background.

## Color Contrast Check

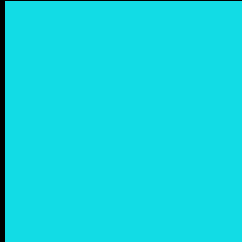
Large Text (above 18pt) WCAG AA × Fail

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 12DCE5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

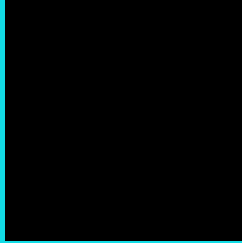
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

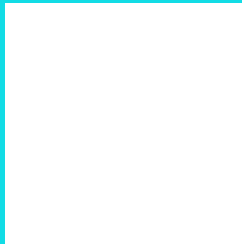
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 12DCE5 Background



This preview shows how black text looks on a background with the Hex color 12DCE5.

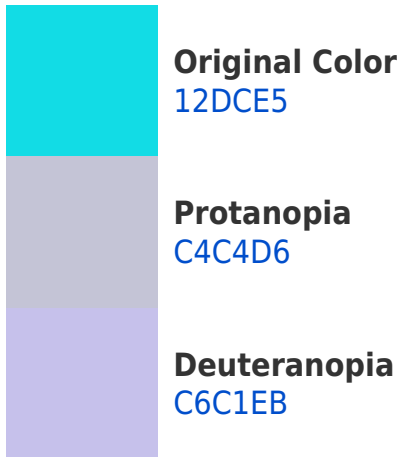


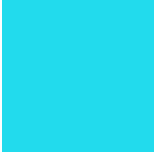
This preview shows how white text looks on a background with the Hex color 12DCE5.

# 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



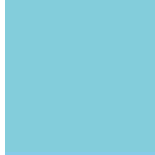


**Tritanopia**  
22DBED

# Trichromacy



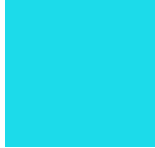
**Original Color**  
12DCE5



**Protanomaly**  
83CDDB



**Deuteranomaly**  
85CBE9

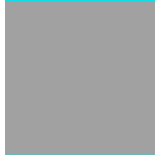


**Tritanomaly**  
1CDBEA

# Monochromacy



**Original Color**  
12DCE5



**Achromatopsia**  
A1A1A1



**Achromatomaly**  
6DB6BA

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12DCE5 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 #12DCE5 looks like.

```
.text, #text, p{  
    color:#12DCE5  
}
```

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 #12DCE5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12DCE5
}
```

## Border

The CSS property to change the border of an element to Hex 12DCE5 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
#12DCE5 }
```

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

```
.border{ border-color:#12DCE5 }
```

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

Here you see how a box with a 4 pixel #12DCE5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12DCE5; -webkit-box-shadow:4px 4px  
4px 4px #12DCE5; box-shadow:4px 4px 4px  
4px #12DCE5 }
```

# Background

The CSS property to change the background color of an element to Hex 12DCE5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12DCE5 }
```

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

```
.background{ background-color:#12DCE5 }
```

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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