

# Converting Colors

Hex(45D5E6)

Have a look what the booklet for  
Hex(45D5E6) contains.

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# **Color**

**Hex(45D5E6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45D5E6
RGB	69, 213, 230
RGB Percent	27%, 84%, 90%
CMY	0.7294, 0.1647, 0.0980
CMYK	0.70, 0.07, 0.00, 0.10
HSL	186°, 76%, 59%
HSV	186°, 70%, 90%
XYZ	40.5314, 54.5669, 83.2591
YIQ	171.8820, -91.2810, -25.2410

# Conversions

## Conversions Part 2

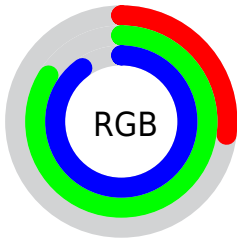
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	69, 145, 230
Decimal	4576742
CIE <sub>Lab</sub>	78.79, -32.24, -19.46
CIE <sub>LCh</sub>	79, 37.652, 211.113
Yxy	54.5669, 0.2272, 0.3059
Android (android.graphics.Color)	4282766822 (0xFF45D5E6)
YUV	171.8820, 28.6522, -90.2275
Hunter-Lab	73.8694, -31.3302, -15.1179

# Details

The Hex color **45D5E6** 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 **E65645**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **89FFFF**, and **009EAE** is the 20% darker color. If you saturate the color by 10%, you get **2ED3E6**, and if you desaturate by 10%, it is **5CD7E6**.

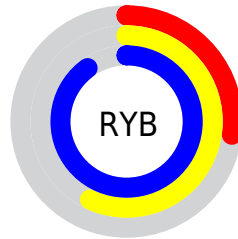
# Distribution



Red (27%)

Green (84%)

Blue (90%)



Red (27%)

Yellow (57%)

Blue (90%)

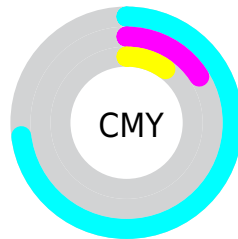


Cyan (70%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (73%)

Magenta (16%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45D5E6 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 45D5E6 by changing the saturation by 10% instead.



 45D5E6

 45D5E6

FFFFFF

 0AB9CA

 89FFFF

 009EAE

 A9FFFF

 008394

 C8FFFF

 006A7A

 E7FFFF

 005161

 003949

 002533

 00021E

 000000

 45D5E6

 45D5E6

 2ED3E6

 5CD7E6

 17D0E6

 73DAE6

 00CEE6

 8ADCE6

 A1DFE6

 B8E1E6

 CFE4E6

 E6E6E6

 FDE8E6

 FFE6E6

# Harmonies

## Analogous

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



61D6C3



45D5E6



5FD0FF

# Triad

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



45D5E6



F1AEE5



DAC17D

# Complementary

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



45D5E6



E65645

# 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.



F6B587



45D5E6



FFA8C3

# Square

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



45D5E6



C9BAFF



FFABA1



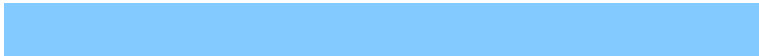
B5CC86

# Rectangle

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



45D5E6



82CAFF



FFABA1



E4BD7E

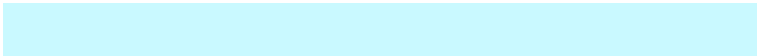


# Sweetspot

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



45D5E6



C9F9FF



45E655



607C80



000000



808080

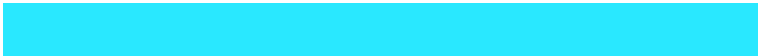


# Same Dimension

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



45D5E6



29E8FF



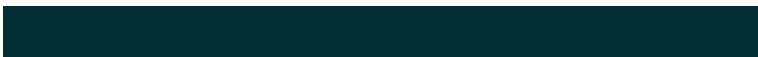
4585E6



677273



00A0B3



002E33



# Inverse Universe

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



E645D5



FF29E8



E6A645



736772



B300A0

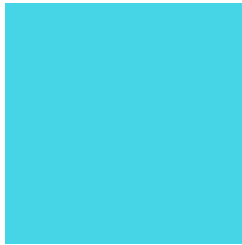


33002E



# Previews

## White Background



This preview shows how the Hex color 45D5E6 looks on a white background.

## Color Contrast Check

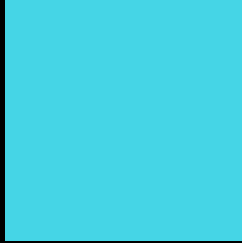
Large Text (above 18pt) WCAG AA × Fail

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 45D5E6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

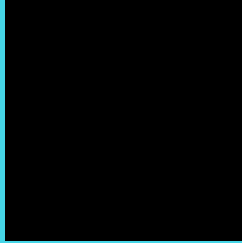
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 45D5E6 Background



This preview shows how black text looks on a background with the Hex color 45D5E6.

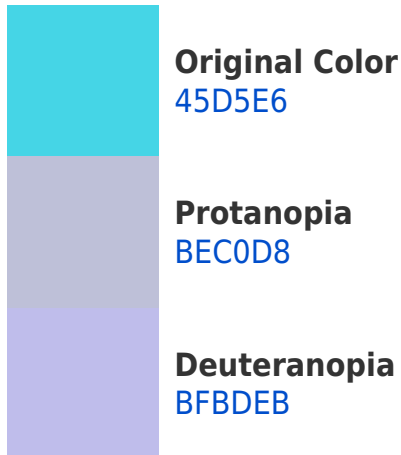


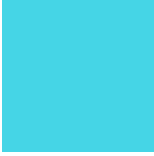
This preview shows how white text looks on a background with the Hex color 45D5E6.

# 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



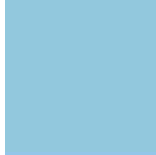


**Tritanopia**  
45D5E6

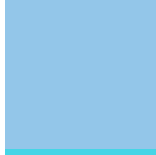
# Trichromacy



**Original Color**  
45D5E6



**Protanomaly**  
92C8DD



**Deuteranomaly**  
93C6E9

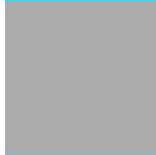


**Tritanomaly**  
45D5E6

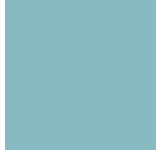
# Monochromacy



**Original Color**  
45D5E6



**Achromatopsia**  
ACACAC



**Achromatomaly**  
87BBC1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45D5E6 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 #45D5E6 looks like.

```
.text, #text, p{  
    color:#45D5E6  
}
```

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 #45D5E6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45D5E6
}
```

## Border

The CSS property to change the border of an element to Hex 45D5E6 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
#45D5E6 }
```

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

```
.border{ border-color:#45D5E6 }
```

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

Here you see how a box with a 4 pixel #45D5E6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45D5E6; -webkit-box-shadow:4px 4px  
4px 4px #45D5E6; box-shadow:4px 4px 4px  
4px #45D5E6 }
```

# Background

The CSS property to change the background color of an element to Hex 45D5E6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45D5E6 }
```

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

```
.background{ background-color:#45D5E6 }
```

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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