

# Converting Colors

Hex(45E5D6)

Have a look what the booklet for  
Hex(45E5D6) contains.

<b>Hex(45E5D6)</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(45E5D6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45E5D6
RGB	69, 229, 214
RGB Percent	27%, 90%, 84%
CMY	0.7294, 0.1020, 0.1608
CMYK	0.70, 0.00, 0.07, 0.10
HSL	174°, 75%, 58%
HSV	174°, 70%, 90%
XYZ	42.6112, 62.1589, 73.3703
YIQ	179.4500, -90.5450, -38.5850

# Conversions

## Conversions Part 2

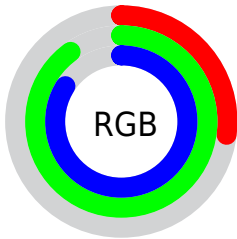
Format	Color
R <sub>YB</sub>	69, 153, 229
Decimal	4580822
CIE Lab	83.00, -44.04, -4.66
CIE LCh	83, 44.284, 186.034
Yxy	62.1589, 0.2392, 0.3489
Android (android.graphics.Color)	4282770902 (0xFF45E5D6)
YUV	179.4500, 17.0332, -96.8646
Hunter-Lab	78.8409, -41.4976, 0.0126

# Details

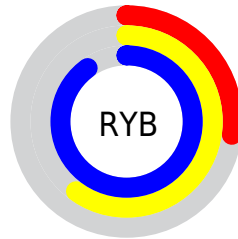
The Hex color **45E5D6** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **E54554**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **8AFFFF**, and **00AD9F** is the 20% darker color. If you saturate the color by 10%, you get **2EE5D4**, and if you desaturate by 10%, it is **5CE5D8**.

# Distribution



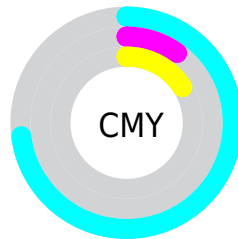
- Red (27%)
- Green (90%)
- Blue (84%)



- Red (27%)
- Yellow (60%)
- Blue (90%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)



- Cyan (73%)
- Magenta (10%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45E5D6 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 45E5D6 by changing the saturation by 10% instead.



 45E5D6

 45E5D6

FFFFFF

 08C9BA

 8AFFFF

 00AD9F

 A9FFFF

 009285

 C8FFFF

 00776C

 E7FFFF

 005E54

 00453D

 002E27

 001313

 000000

 45E5D6

 45E5D6

 2EE5D4

 5CE5D8

 17E5D2

 73E5DA

 00E5D0

 8AE5DC

 A1E5DF

 B8E5E1

 CEE5E3

 E5E5E5

 FCE5E7

 FFE5E9

# Harmonies

## Analogous

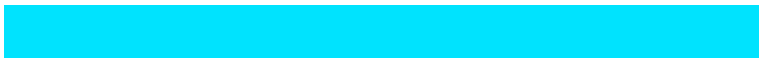
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82E2AB



45E5D6



00E3FE

# Triad

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



45E5D6



DEC1FF



FFC183

# Complementary

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



45E5D6



E54554

# 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.



FFB4A0



45E5D6



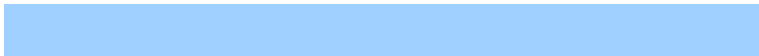
FFB3F1

# Square

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



45E5D6



A0D0FF



FFAEC8



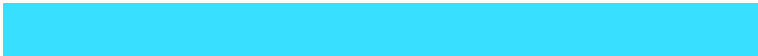
E2CF7B

# Rectangle

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



45E5D6



38DFFF



FFAEC8



FFBC8B



# Sweetspot

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



45E5D6



C9FFFA



55E545



60807D



000000



808080



# Same Dimension

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



45E5D6



29FFEB



45A5E5



677372



00B3A2



00332E



# Inverse Universe

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



E54554



FF293D



E58545



736768



B30011

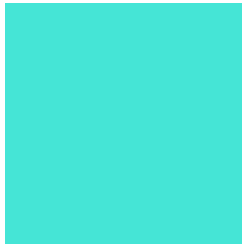


330005



# Previews

## White Background



This preview shows how the Hex color 45E5D6 looks on a white background.

## Color Contrast Check

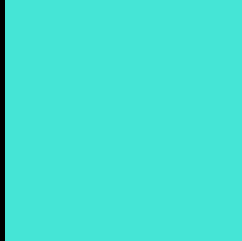
Large Text (above 18pt) WCAG AA × Fail

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 45E5D6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

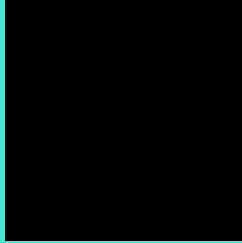
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

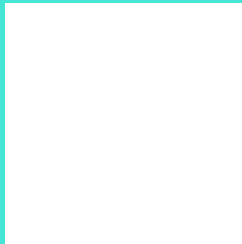
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 45E5D6 Background



This preview shows how black text looks on a background with the Hex color 45E5D6.

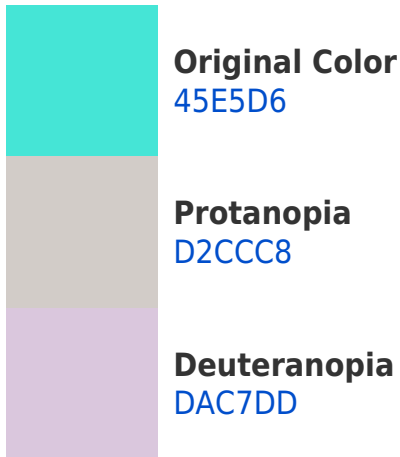


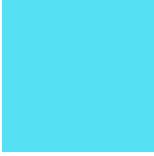
This preview shows how white text looks on a background with the Hex color 45E5D6.

# 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**  
55E1F3

# Trichromacy



**Original Color**  
45E5D6



**Protanomaly**  
9FD5CD



**Deuteranomaly**  
A4D2DA

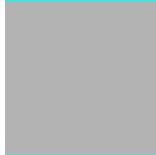


**Tritanomaly**  
4FE2E8

# Monochromacy



**Original Color**  
45E5D6



**Achromatopsia**  
B3B3B3



**Achromatomaly**  
8BC5C0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45E5D6 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 #45E5D6 looks like.

```
.text, #text, p{  
    color:#45E5D6  
}
```

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 #45E5D6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45E5D6
}
```

## Border

The CSS property to change the border of an element to Hex 45E5D6 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
#45E5D6 }
```

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

```
.border{ border-color:#45E5D6 }
```

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

Here you see how a box with a 4 pixel #45E5D6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45E5D6; -webkit-box-shadow:4px 4px  
4px 4px #45E5D6; box-shadow:4px 4px 4px  
4px #45E5D6 }
```

# Background

The CSS property to change the background color of an element to Hex 45E5D6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45E5D6 }
```

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

```
.background{ background-color:#45E5D6 }
```

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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