

# Converting Colors

Hex(65A7AE)

Have a look what the booklet for  
Hex(65A7AE) contains.

<b>Hex(65A7AE)</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(65A7AE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65A7AE
RGB	101, 167, 174
RGB Percent	40%, 65%, 68%
CMY	0.6039, 0.3451, 0.3176
CMYK	0.42, 0.04, 0.00, 0.32
HSL	186°, 31%, 54%
HSV	186°, 42%, 68%
XYZ	26.8255, 33.4601, 45.0890
YIQ	148.0640, -41.5830, -11.8150

# Conversions

## Conversions Part 2

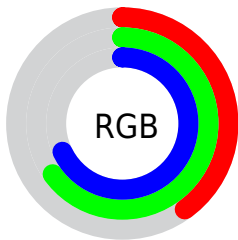
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	101, 136, 174
Decimal	6662062
CIE Lab	64.53, -19.15, -10.23
CIE LCh	65, 21.705, 208.107
Yxy	33.4601, 0.2546, 0.3175
Android (android.graphics.Color)	4284852142 (0xFF65A7AE)
YUV	148.0640, 12.7864, -41.2751
Hunter-Lab	57.8447, -18.4488, -5.7242

# Details

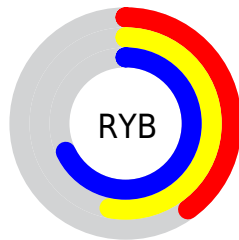
The Hex color **65A7AE** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **AE6C65**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **9CDEE5**, and **2E737A** is the 20% darker color. If you saturate the color by 10%, you get **54A5AE**, and if you desaturate by 10%, it is **76A9AE**.

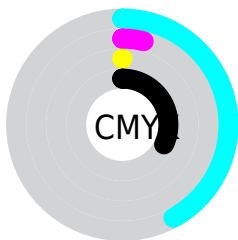
# Distribution



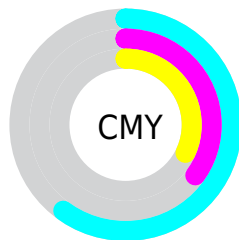
- Red (40%)
- Green (65%)
- Blue (68%)



- Red (40%)
- Yellow (53%)
- Blue (68%)



- Cyan (42%)
- Magenta (4%)
- Yellow (0%)
- Black (32%)



- Cyan (60%)
- Magenta (35%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 65A7AE 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 65A7AE by changing the saturation by 10% instead.



65A7AE

65A7AE

FFFFFF

4A8C93

9CDEE5

2E737A

B8FBFF

0C5A61

D4FFFF

004249

F1FFFF

002C33

00191E

000002

000000

65A7AE

65A7AE

■ 54A5AE

■ 76A9AE

■ 42A4AE

■ 88AAAE

■ 31A2AE

■ 99ACAE

■ 1FA0AE

■ ABAAE

■ 0E9FAE

■ BCFAE

■ 009DAE

■ CDB1AE

■ DFB3AE

■ F0B4AE

■ FFB6AE

# Harmonies

## Analogous

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



6EA79B



65A7AE



6DA4BD

# Triad

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



65A7AE



B492B1



AC9B76

# Complementary

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



65A7AE



AE6C65

# 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.



BC947C



65A7AE



C28F9E

# Square

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



65A7AE



9E98BF



C4908B



97A17A

# Rectangle

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



65A7AE



7BA1C2



C4908B



B29977



# Sweetspot

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



65A7AE



C5E0E3



65AE6B



607173



F2F2F2



737373



# Same Dimension

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



65A7AE



71D8E3



6583AE



4E5657



008896



001517



# Inverse Universe

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



AE65A7



E371D8



AE9065



574E56



960088

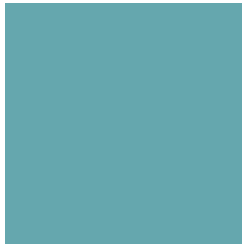


170015



# Previews

## White Background



This preview shows how the Hex color 65A7AE looks on a white background.

## Color Contrast Check

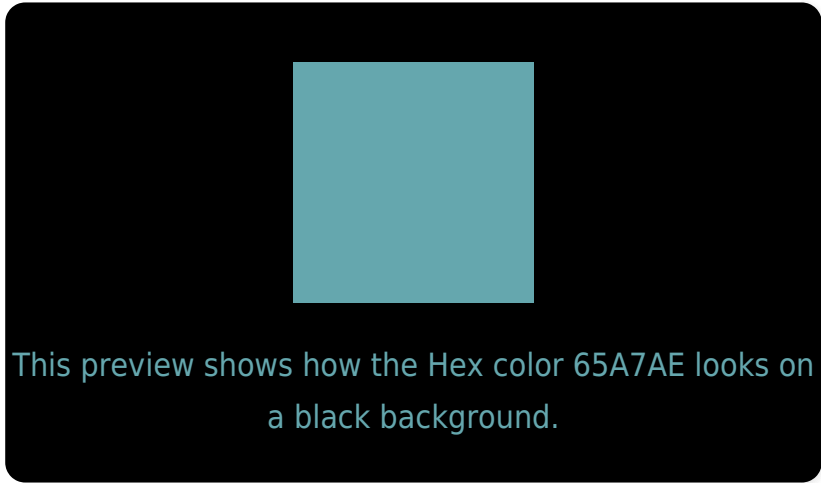
Large Text (above 18pt) WCAG AA × Fail

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

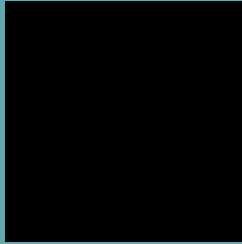
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 65A7AE Background



This preview shows how black text looks on a background with the Hex color 65A7AE.

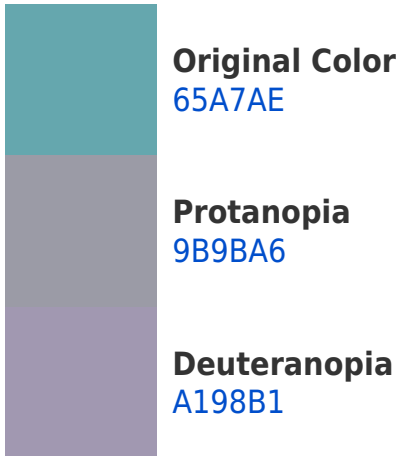


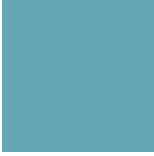
This preview shows how white text looks on a background with the Hex color 65A7AE.

# 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](#).

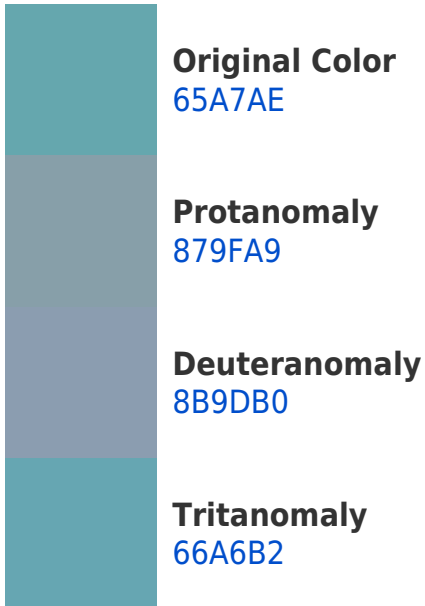
## Dichromacy



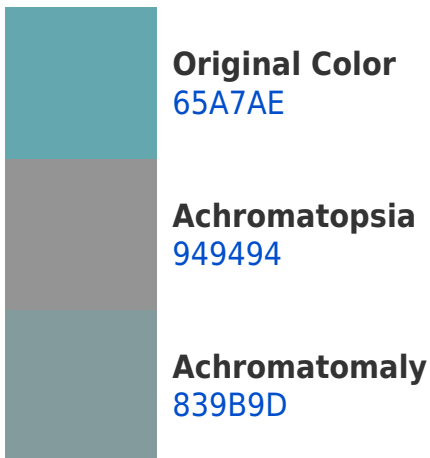


**Tritanopia**  
67A6B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 65A7AE 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 #65A7AE looks like.

```
.text, #text, p{  
    color:#65A7AE  
}
```

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 #65A7AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65A7AE
}
```

## Border

The CSS property to change the border of an element to Hex 65A7AE 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
#65A7AE }
```

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

```
.border{ border-color:#65A7AE }
```

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

Here you see how a box with a 4 pixel #65A7AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65A7AE; -webkit-box-shadow:4px 4px  
4px 4px #65A7AE; box-shadow:4px 4px 4px  
4px #65A7AE }
```

# Background

The CSS property to change the background color of an element to Hex 65A7AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65A7AE }
```

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

```
.background{ background-color:#65A7AE }
```

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