

# Converting Colors

Hex(42A1AE)

Have a look what the booklet for  
Hex(42A1AE) contains.

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# Color

Hex(42A1AE)

# Conversions

## Conversions Part 1

Format	Color
Hex	42A1AE
RGB	66, 161, 174
RGB Percent	26%, 63%, 68%
CMY	0.7412, 0.3686, 0.3176
CMYK	0.62, 0.07, 0.00, 0.32
HSL	187°, 45%, 47%
HSV	187°, 62%, 68%
XYZ	22.6316, 29.7040, 44.5850
YIQ	134.0770, -60.7930, -16.0970

# Conversions

## Conversions Part 2

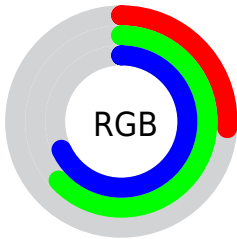
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	66, 117, 174
Decimal	4366766
CIE Lab	61.40, -23.71, -15.07
CIE LCh	61, 28.092, 212.446
Yxy	29.7040, 0.2335, 0.3065
Android (android.graphics.Color)	4282556846 (0xFF42A1AE)
YUV	134.0770, 19.6820, -59.7035
Hunter-Lab	54.5014, -21.2555, -10.3514

# Details

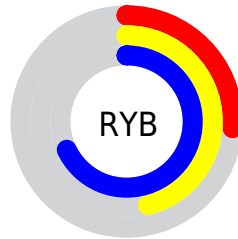
The Hex color **42A1AE** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AE4F42**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **7DD8E5**, and **006D7A** is the 20% darker color. If you saturate the color by 10%, you get **319FAE**, and if you desaturate by 10%, it is **53A3AE**.

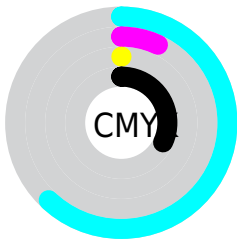
# Distribution



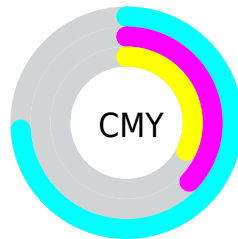
- Red (26%)
- Green (63%)
- Blue (68%)



- Red (26%)
- Yellow (46%)
- Blue (68%)



- Cyan (62%)
- Magenta (7%)
- Yellow (0%)
- Black (32%)



- Cyan (74%)
- Magenta (37%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42A1AE 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 42A1AE by changing the saturation by 10% instead.





42A1AE



42A1AE

FFFFFF



1E8793



7DD8E5



006D7A



9AF5FF



005461



B7FFFF



003D49



D4FFFF



002732



F2FFFF



000B1E



000001



000000



42A1AE



42A1AE

■ 319FAE

■ 53A3AE

■ 1F9DAE

■ 65A5AE

■ 0E9BAE

■ 76A7AE

■ 0099AE

■ 88A9AE

■ 99ABAE

■ AAAEAE

■ BCB0AE

■ CDB2AE

■ DFB4AE

# Harmonies

## Analogous

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



50A295



42A1AE



539DC0

# Triad

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



42A1AE



B685AC



A49362

# Complementary

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



42A1AE



AE4F42

# 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.



B98B69



42A1AE



C48293

# Square

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



42A1AE



9A8DBE



C4847B



899B6A

# Rectangle

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



42A1AE



6A99C5



C4847B



AB9163



# Sweetspot

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



42A1AE



B8DEE3



42AE4F



587073



F2F2F2



737373



# Same Dimension

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



42A1AE



3BCFE3



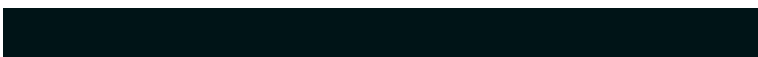
426BAE



4E5657



008496



001417



# Inverse Universe

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



AE42A1



E33BCF



AE8542



574E56



960084



170014



# Previews

## White Background



This preview shows how the Hex color 42A1AE looks on a white background.

## Color Contrast Check

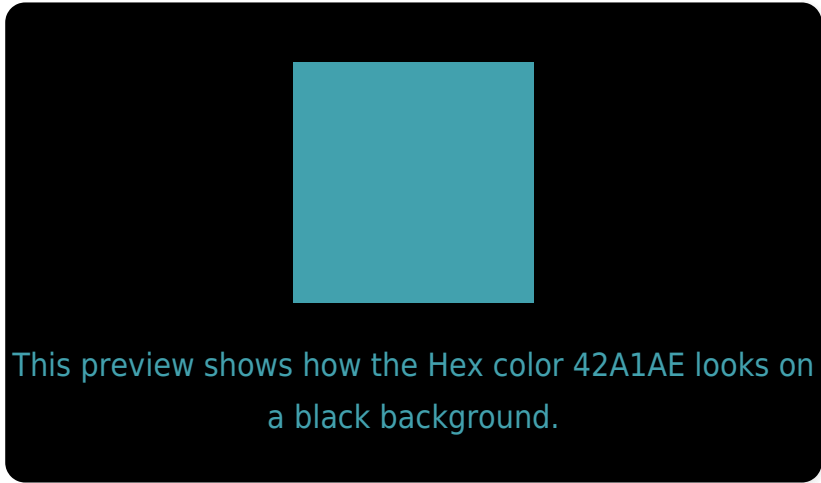
Large Text (above 18pt) WCAG AA ✓ Pass

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

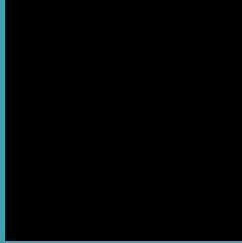
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 42A1AE Background



This preview shows how black text looks on a background with the Hex color 42A1AE.



This preview shows how white text looks on a background with the Hex color 42A1AE.

# 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](#).

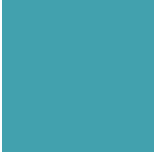
## Dichromacy



**Original Color**  
42A1AE

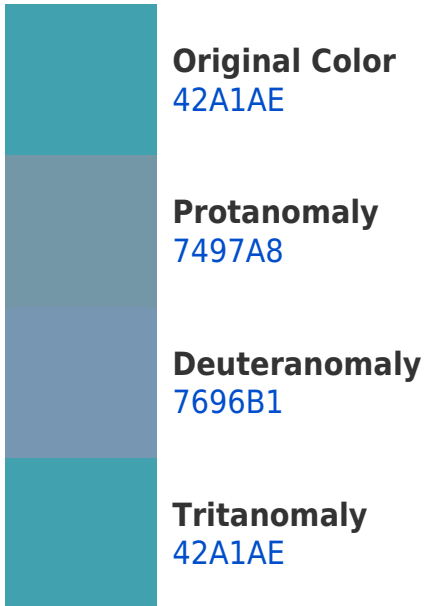
**Protanopia**  
9192A4

**Deuteranopia**  
9390B2



**Tritanopia**  
42A1AE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42A1AE 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 #42A1AE looks like.

```
.text, #text, p{  
    color:#42A1AE  
}
```

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 #42A1AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42A1AE
}
```

## Border

The CSS property to change the border of an element to Hex 42A1AE 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
#42A1AE }
```

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

```
.border{ border-color:#42A1AE }
```

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

Here you see how a box with a 4 pixel #42A1AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42A1AE; -webkit-box-shadow:4px 4px  
4px 4px #42A1AE; box-shadow:4px 4px 4px  
4px #42A1AE }
```

# Background

The CSS property to change the background color of an element to Hex 42A1AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42A1AE }
```

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

```
.background{ background-color:#42A1AE }
```

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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