

# Converting Colors

Hex(46A1A1)

Have a look what the booklet for  
Hex(46A1A1) contains.

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**Color**

**Hex(46A1A1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46A1A1
RGB	70, 161, 161
RGB Percent	27%, 63%, 63%
CMY	0.7255, 0.3686, 0.3686
CMYK	0.57, 0.00, 0.00, 0.37
HSL	180°, 39%, 45%
HSV	180°, 57%, 63%
XYZ	21.7037, 29.3650, 38.2423
YIQ	133.7910, -54.2360, -19.2920

# Conversions

## Conversions Part 2

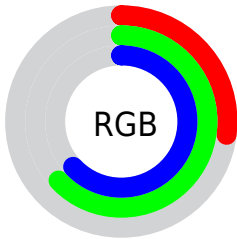
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 116, 161
Decimal	4628897
CIELab	61.10, -26.73, -8.17
CIElCh	61, 27.950, 197.007
Yxy	29.3650, 0.2430, 0.3288
Android (android.graphics.Color)	4282818977 (0xFF46A1A1)
YUV	133.7910, 13.4140, -55.9447
Hunter-Lab	54.1895, -23.3398, -3.9091

# Details

The Hex color **46A1A1** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A14646**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **7FD8D8**, and **006D6E** is the 20% darker color. If you saturate the color by 10%, you get **36A1A1**, and if you desaturate by 10%, it is **56A1A1**.

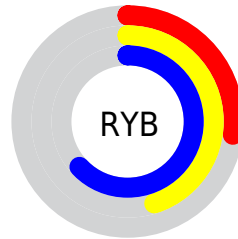
# Distribution



Red (27%)

Green (63%)

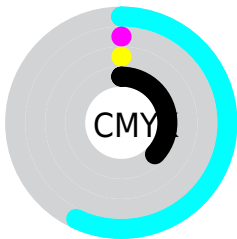
Blue (63%)



Red (27%)

Yellow (45%)

Blue (63%)

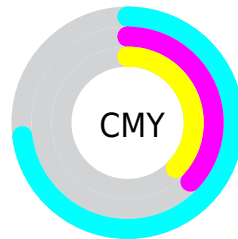


Cyan (57%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (73%)

Magenta (37%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46A1A1 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 46A1A1 by changing the saturation by 10% instead.





46A1A1



46A1A1

FFFFFF



268787



7FD8D8



006D6E



9CF5F4



005455



B8FFFF



003D3E



D5FFFF



002728



F3FFFF



000914



000000



46A1A1



46A1A1



36A1A1



56A1A1

■ 26A1A1

■ 66A1A1

■ 16A1A1

■ 76A1A1

■ 06A1A1

■ 86A1A1

■ 00A1A1

■ 97A1A1

■ A7A1A1

■ B7A1A1

■ C7A1A1

■ D7A1A1

# Harmonies

## Analogous

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



5DA088



46A1A1



469FB7

# Triad

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



46A1A1



A88B5



AE8E64

# Complementary

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



46A1A1



A14646

# 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.



BF8670



46A1A1



BD829F

# Square

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



46A1A1



8891C2



C58186



969664

# Rectangle

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



46A1A1



579BC0



C58186



B58B67



# Sweetspot

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



46A1A1



AED1D1



46A146



546969



E8E8E8



696969



# Same Dimension

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



46A1A1



43D1D1



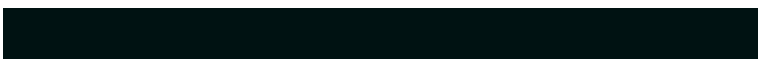
4674A1



495252



009191



001212



# Inverse Universe

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



A146A1



D143D1



A17446



524952



910091

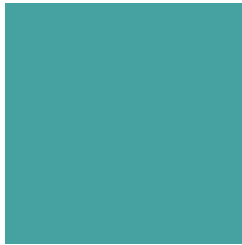


120012



# Previews

## White Background



This preview shows how the Hex color 46A1A1 looks on a white background.

## Color Contrast Check

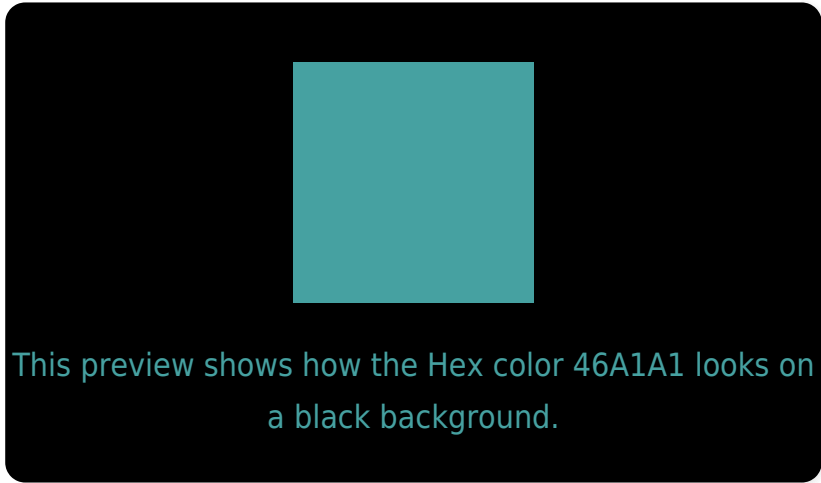
Large Text (above 18pt) WCAG AA ✓ Pass

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

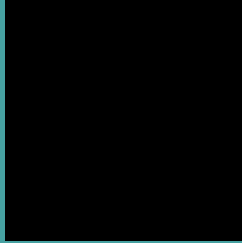
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

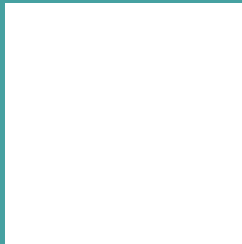
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 46A1A1 Background



This preview shows how black text looks on a background with the Hex color 46A1A1.

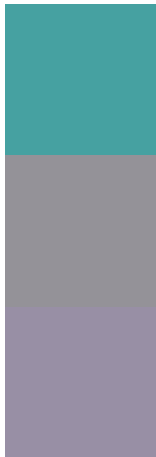


This preview shows how white text looks on a background with the Hex color 46A1A1.

# 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**  
46A1A1

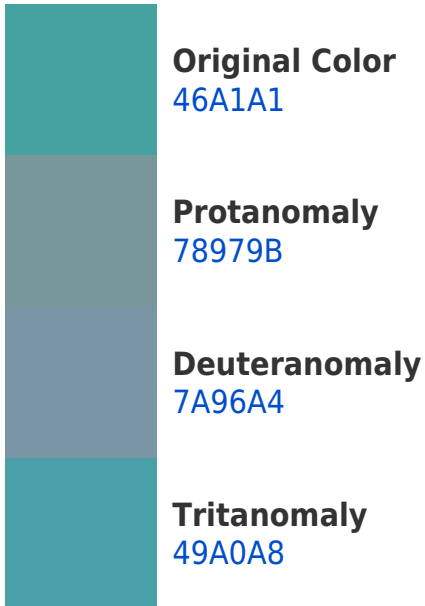
**Protanopia**  
949298

**Deuteranopia**  
988FA5



**Tritanopia**  
4A9FAC

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46A1A1 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 #46A1A1 looks like.

```
.text, #text, p{  
    color:#46A1A1  
}
```

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 #46A1A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46A1A1
}
```

## Border

The CSS property to change the border of an element to Hex 46A1A1 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
#46A1A1 }
```

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

```
.border{ border-color:#46A1A1 }
```

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

Here you see how a box with a 4 pixel #46A1A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46A1A1; -webkit-box-shadow:4px 4px  
4px 4px #46A1A1; box-shadow:4px 4px 4px  
4px #46A1A1 }
```

# Background

The CSS property to change the background color of an element to Hex 46A1A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46A1A1 }
```

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

```
.background{ background-color:#46A1A1 }
```

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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