

Converting Colors

Hex(46AAA0)

Have a look what the booklet for
Hex(46AAA0) contains.

Hex(46AAA0)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(46AAA0)

Conversions

Conversions Part 1

Format	Color
Hex	46AAA0
RGB	70, 170, 160
RGB Percent	27%, 67%, 63%
CMY	0.7255, 0.3333, 0.3725
CMYK	0.59, 0.00, 0.06, 0.33
HSL	174°, 42%, 47%
HSV	174°, 59%, 67%
XYZ	23.2457, 32.5896, 38.3230
YIQ	138.9600, -56.3900, -24.3100

Conversions

Conversions Part 2

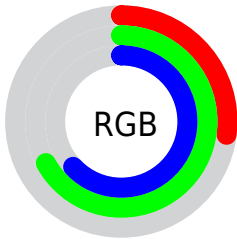
Format	Color
RYB	70, 123, 170
Decimal	4631200
CIELab	63.83, -31.40, -3.58
CIElCh	64, 31.603, 186.497
Yxy	32.5896, 0.2469, 0.3461
Android (android.graphics.Color)	4282821280 (0xFF46AAA0)
YUV	138.9600, 10.3727, -60.4779
Hunter-Lab	57.0873, -27.2185, 0.1595

Details

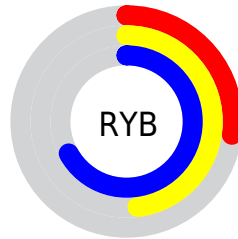
The Hex color **46AAA0** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AA4650**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **80E2D7**, and **00756D** is the 20% darker color. If you saturate the color by 10%, you get **35AA9E**, and if you desaturate by 10%, it is **57AAA2**.

Distribution



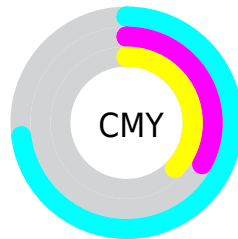
- Red (27%)
- Green (67%)
- Blue (63%)



- Red (27%)
- Yellow (48%)
- Blue (67%)



- Cyan (59%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)



- Cyan (73%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46AAA0 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 46AAA0 by changing the saturation by 10% instead.

 46AAA0

 46AAA0


FFFFFF

 258F86

 80E2D7

 00756D

 9DFFF3

 005C54

 BAFFFF

 00443D

 D7FFFF

 002D28

 F4FFFF

 001613

 000000

 46AAA0

 46AAA0

 35AA9E

 57AAA2

■ 24AA9D

■ 68AAA3

■ 13AA9B

■ 79AAA5

■ 02AA99

■ 8AAAA7

■ 00AA99

■ 9BAAA8

■ AAAAA

■ BDAAAC

■ CEAAAE

■ DFAAAF

Harmonies

Analogous

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



68A883



46AAA0



36A9BB

Triad

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



46AAA0



A691C8



C09168

Complementary

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



46AAA0



AA4650

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.



D0897A



46AAA0



C388B2

Square

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



46AAA0



7D9BD2



D18595



A89B62

Rectangle

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



46AAA0



44A6C9



D18595



C78E6D

Sweetspot

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



46AAA0



B6DEDA



50AA46



58706E



F0F0F0



707070

Same Dimension

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



46AAA0



40DECE



4682AA



4C5453



009485



001412

Inverse Universe

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



AA4650



DE4050



AA6E46



544C4D



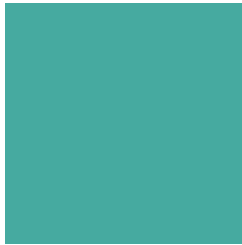
94000F



140002

Previews

White Background



This preview shows how the Hex color 46AAA0 looks on a white background.

Color Contrast Check

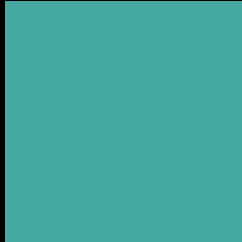
Large Text (above 18pt) WCAG AA × Fail

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 46AAA0 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

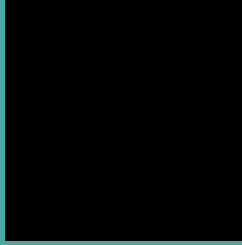
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

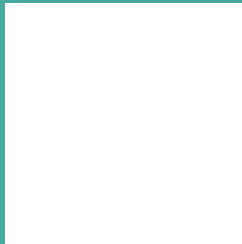
Any Text WCAG AAA ✓ Pass

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

Hex 46AAA0 Background



This preview shows how black text looks on a background with the Hex color 46AAA0.

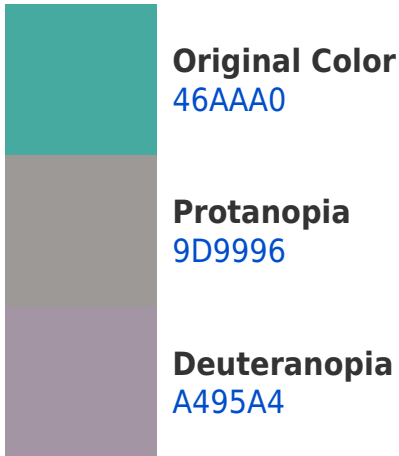


This preview shows how white text looks on a background with the Hex color 46AAA0.

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](#).

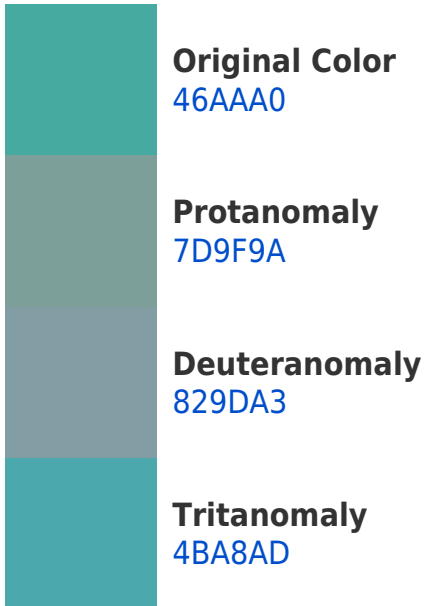
Dichromacy



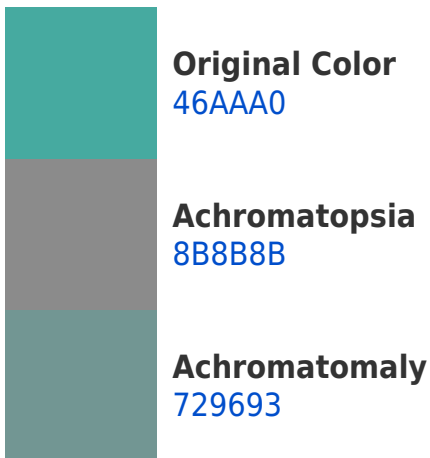


Tritanopia
4EA7B4

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 46AAA0 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 #46AAA0 looks like.

```
.text, #text, p{  
    color:#46AAA0  
}
```

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 #46AAA0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46AAA0  
}
```

Border

The CSS property to change the border of an element to Hex 46AAA0 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  
#46AAA0 }
```

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

```
.border{ border-color:#46AAA0 }
```

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

Here you see how a box with a 4 pixel #46AAA0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46AAA0; -webkit-box-shadow:4px 4px  
4px 4px #46AAA0; box-shadow:4px 4px 4px  
4px #46AAA0 }
```

Background

The CSS property to change the background color of an element to Hex 46AAA0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46AAA0 }
```

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

```
.background{ background-color:#46AAA0 }
```

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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