

# Converting Colors

Hex(24AAA2)

Have a look what the booklet for  
Hex(24AAA2) contains.

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# Color

Hex(24AAA2)

# Conversions

## Conversions Part 1

Format	Color
Hex	24AAA2
RGB	36, 170, 162
RGB Percent	14%, 67%, 64%
CMY	0.8588, 0.3333, 0.3647
CMYK	0.79, 0.00, 0.05, 0.33
HSL	176°, 65%, 40%
HSV	176°, 79%, 67%
XYZ	21.6239, 31.7332, 39.1678
YIQ	129.0220, -77.2960, -30.8960

# Conversions

## Conversions Part 2

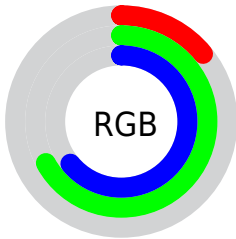
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 105, 170
Decimal	2402978
CIELab	63.12, -35.81, -5.82
CIELCh	63, 36.277, 189.236
Yxy	31.7332, 0.2337, 0.3430
Android (android.graphics.Color)	4280593058 (0xFF24AAA2)
YUV	129.0220, 16.2582, -81.5803
Hunter-Lab	56.3322, -30.0617, -1.7919

# Details

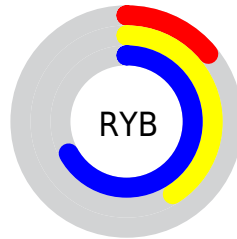
The Hex color **24AAA2** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AA242C**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **6AE2D9**, and **00756F** is the 20% darker color. If you saturate the color by 10%, you get **13AAA1**, and if you desaturate by 10%, it is **35AAA3**.

# Distribution



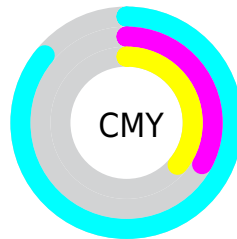
- Red (14%)
- Green (67%)
- Blue (64%)



- Red (14%)
- Yellow (41%)
- Blue (67%)



- Cyan (79%)
- Magenta (0%)
- Yellow (5%)
- Black (33%)



- Cyan (86%)
- Magenta (33%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24AAA2 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 24AAA2 by changing the saturation by 10% instead.



 24AAA2

 24AAA2

FFFFFF

 008F88

 6AE2D9

 00756F

 88FFF5

 005C56

 A6FFFF

 00433F

 C4FFFF

 002D29

 E2FFFF

 001415

 000000

 24AAA2

 24AAA2

 13AAA1

 35AAA3

02AAA0

46AAA4

00AAA0

57AAA5

68AAA6

79AAA7

8AAAA8

9BAAA9

ACAAAA

BDAAAB

# Harmonies

## Analogous

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



58A881



24AAA2



00A8C1

# Triad

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



24AAA2



A98DCB



C18F5D

# Complementary

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



24AAA2



AA242C

# 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.



D38572



24AAA2



C983B0

# Square

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



24AAA2



7A99D8



D77F90



A49A58

# Rectangle

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



24AAA2



26A5CF



D77F90



C88B62



# Sweetspot

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



24AAA2



A9DEDB



2DAA24



50706E



F0F0F0



707070

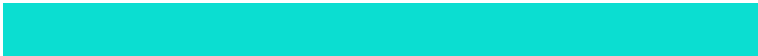


# Same Dimension

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



24AAA2



0BDED1



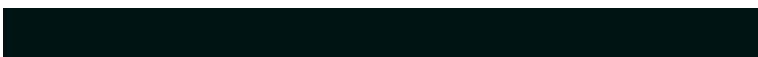
2470AA



4C5454



00948B



001413



# Inverse Universe

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



AA242C



DE0B18



AA5E24



544C4C



940009

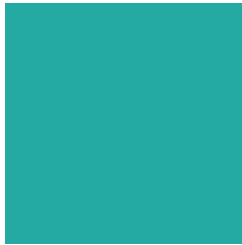


140001



# Previews

## White Background



This preview shows how the Hex color 24AAA2 looks on a white background.

## Color Contrast Check

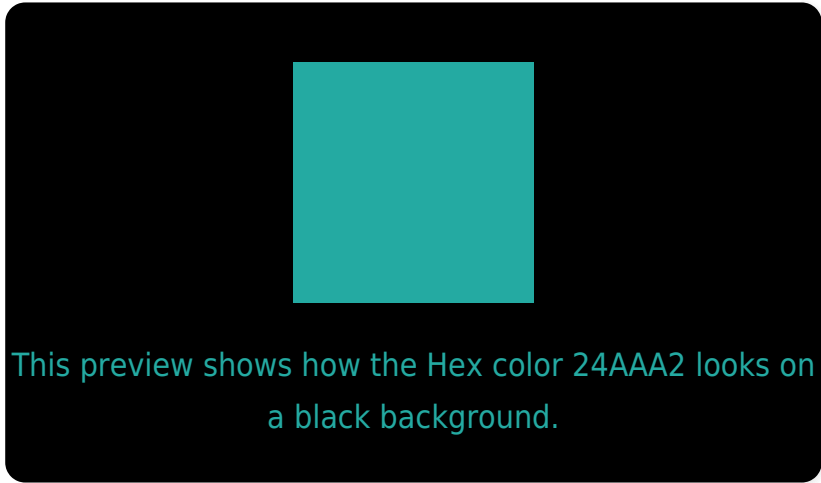
Large Text (above 18pt) WCAG AA × Fail

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

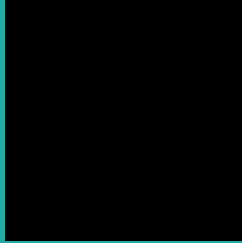
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

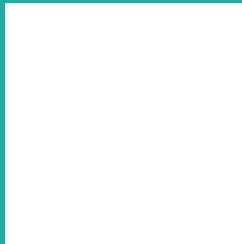
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 24AAA2 Background



This preview shows how black text looks on a background with the Hex color 24AAA2.

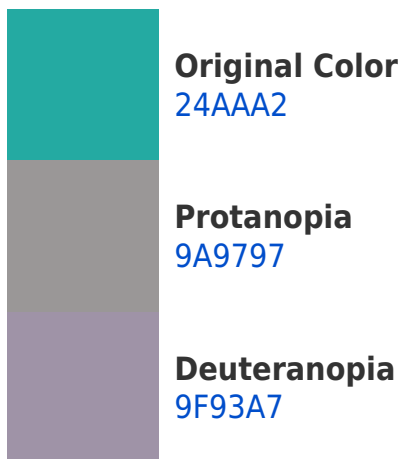


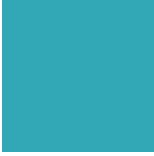
This preview shows how white text looks on a background with the Hex color 24AAA2.

# 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**  
32A7B5

# Trichromacy



**Original Color**  
24AAA2



**Protanomaly**  
6F9E9B



**Deuteranomaly**  
729BA5



**Tritanomaly**  
2DA8AE

# Monochromacy



**Original Color**  
24AAA2



**Achromatopsia**  
818181



**Achromatomaly**  
5F908D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24AAA2 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 #24AAA2 looks like.

```
.text, #text, p{  
    color:#24AAA2  
}
```

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 #24AAA2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24AAA2
}
```

## Border

The CSS property to change the border of an element to Hex 24AAA2 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
#24AAA2 }
```

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

```
.border{ border-color:#24AAA2 }
```

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

Here you see how a box with a 4 pixel #24AAA2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24AAA2; -webkit-box-shadow:4px 4px  
4px 4px #24AAA2; box-shadow:4px 4px 4px  
4px #24AAA2 }
```

# Background

The CSS property to change the background color of an element to Hex 24AAA2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24AAA2 }
```

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

```
.background{ background-color:#24AAA2 }
```

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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