

# Converting Colors

Hex(50A090)

Have a look what the booklet for  
Hex(50A090) contains.

<b>Hex(50A090)</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(50A090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50A090
RGB	80, 160, 144
RGB Percent	31%, 63%, 56%
CMY	0.6863, 0.3725, 0.4353
CMYK	0.50, 0.00, 0.10, 0.37
HSL	168°, 33%, 47%
HSV	168°, 50%, 63%
XYZ	20.9131, 28.8607, 30.8540
YIQ	134.2560, -42.5440, -21.9360

# Conversions

## Conversions Part 2

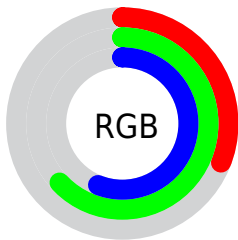
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 124, 160
Decimal	5283984
CIELab	60.66, -28.57, 0.80
CIELCh	61, 28.582, 178.387
Yxy	28.8607, 0.2594, 0.3579
Android (android.graphics.Color)	4283474064 (0xFF50A090)
YUV	134.2560, 4.8038, -47.5825
Hunter-Lab	53.7222, -24.5268, 3.5538

# Details

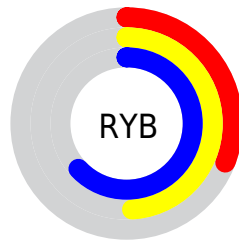
The Hex color **50A090** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A05060**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **87D7C6**, and **126C5E** is the 20% darker color. If you saturate the color by 10%, you get **40A08D**, and if you desaturate by 10%, it is **60A093**.

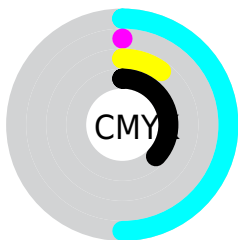
# Distribution



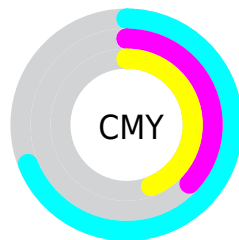
- Red (31%)
- Green (63%)
- Blue (56%)



- Red (31%)
- Yellow (49%)
- Blue (63%)



- Cyan (50%)
- Magenta (0%)
- Yellow (10%)
- Black (37%)



- Cyan (69%)
- Magenta (37%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50A090 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 50A090 by changing the saturation by 10% instead.



 50A090

 50A090

FFFFFF

 348676

 87D7C6

 126C5E

 A2F4E2

 005346

 BFFFFE

 003C30

 DCFFFF

 00261B

 F9FFFF

 000500

 000000

 50A090

 50A090

 40A08D

 60A093

■ 30A08A

■ 70A096

■ 20A086

■ 80A09A

■ 10A083

■ 90A09D

■ 00A080

■ A0A0A0

■ B0A0A3

■ C0A0A6

■ D0A0AA

■ E0A0AD

# Harmonies

## Analogous

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



6D9D77



50A090



3DA0A9

# Triad

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



50A090



948CBF



B98868

# Complementary

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



50A090



A05060

# 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.



C4817C



50A090



B184AD

# Square

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



50A090



6E95C4



C27F95



A59060

# Rectangle

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



50A090



429DB7



C27F95



BE856E



# Sweetspot

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



50A090



B2D1CB



60A050



566965



E8E8E8



696969



# Same Dimension

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



50A090



54D1B8



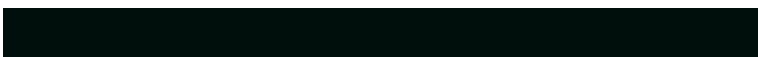
5088A0



474F4D



008F72



000F0C



# Inverse Universe

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



A05060



D1546D



A06850



4F4749



8F001D

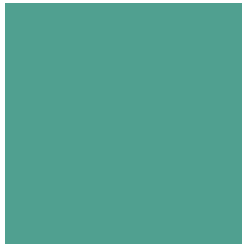


0F0003



# Previews

## White Background



This preview shows how the Hex color 50A090 looks on a white background.

## Color Contrast Check

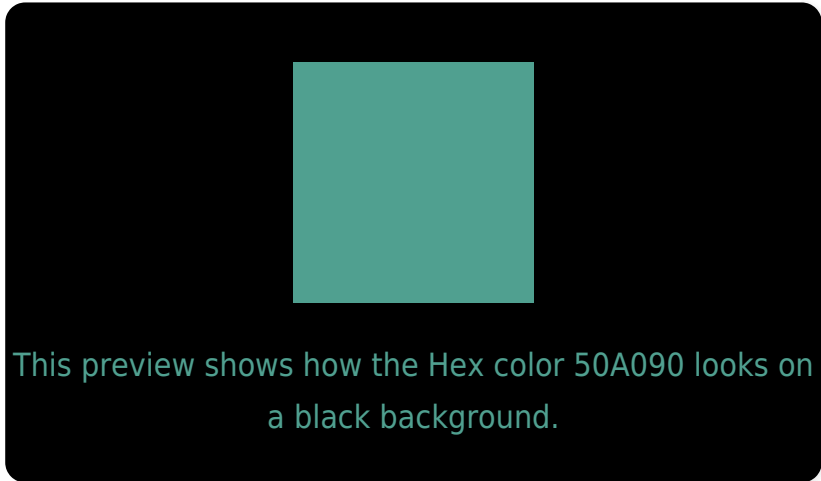
Large Text (above 18pt) WCAG AA ✓ Pass

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

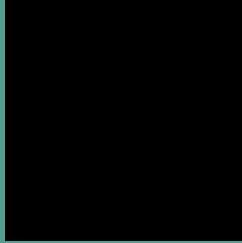
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 50A090 Background



This preview shows how black text looks on a background with the Hex color 50A090.

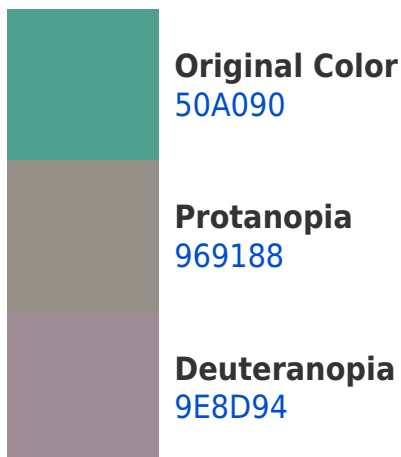


This preview shows how white text looks on a background with the Hex color 50A090.

# 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



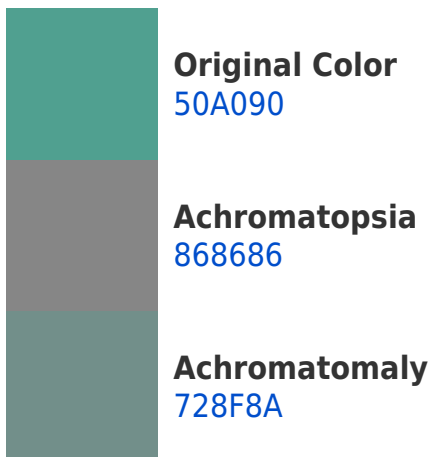


**Tritanopia**  
589CA9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50A090 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 #50A090 looks like.

```
.text, #text, p{  
    color:#50A090  
}
```

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 #50A090 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50A090
}
```

## Border

The CSS property to change the border of an element to Hex 50A090 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
#50A090 }
```

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

```
.border{ border-color:#50A090 }
```

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

Here you see how a box with a 4 pixel #50A090 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50A090; -webkit-box-shadow:4px 4px  
4px 4px #50A090; box-shadow:4px 4px 4px  
4px #50A090 }
```

# Background

The CSS property to change the background color of an element to Hex 50A090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50A090 }
```

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

```
.background{ background-color:#50A090 }
```

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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