

# Converting Colors

Hex(4959A5)

Have a look what the booklet for  
Hex(4959A5) contains.

<b>Hex(4959A5)</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(4959A5)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4959A5
RGB	73, 89, 165
RGB Percent	29%, 35%, 65%
CMY	0.7137, 0.6510, 0.3529
CMYK	0.56, 0.46, 0.00, 0.35
HSL	230°, 39%, 47%
HSV	230°, 56%, 65%
XYZ	13.1116, 11.2778, 37.0831
YIQ	92.8800, -33.9320, 20.2440

# Conversions

## Conversions Part 2

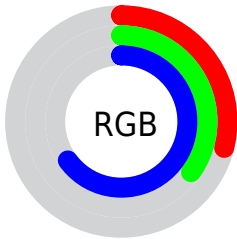
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	73, 87, 165
Decimal	4807077
CIE <sub>Lab</sub>	40.04, 16.78, -43.04
CIE <sub>LCh</sub>	40, 46.196, 291.298
Yxy	11.2778, 0.2133, 0.1835
Android (android.graphics.Color)	4282997157 (0xFF4959A5)
YUV	92.8800, 35.5552, -17.4348
Hunter-Lab	33.5825, 10.9221, -41.9626

# Details

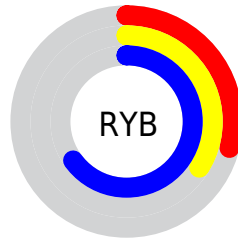
The Hex color **4959A5** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **A59549**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **808BDD**, and **022C70** is the 20% darker color. If you saturate the color by 10%, you get **384BA5**, and if you desaturate by 10%, it is **5967A5**.

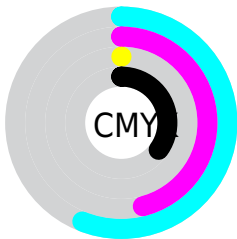
# Distribution



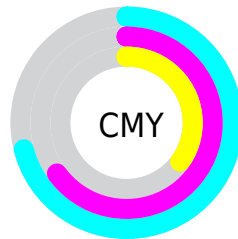
- Red (29%)
- Green (35%)
- Blue (65%)



- Red (29%)
- Yellow (34%)
- Blue (65%)



- Cyan (56%)
- Magenta (46%)
- Yellow (0%)
- Black (35%)



- Cyan (71%)
- Magenta (65%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4959A5 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 4959A5 by changing the saturation by 10% instead.



■ 4959A5

■ 4959A5

FFFFFF

■ 2C428A

■ 808BDD

■ 022C70

■ 9CA5F9

■ 001858

■ B8C0FF

■ 000040

■ D5DCFF

■ 000329

■ F2F8FF

■ 000113

■ 000000

■ 4959A5

■ 4959A5

■ 384BA5

■ 5967A5

■ 283EA5

■ 6A74A5

■ 1730A5

■ 7A82A5

■ 0722A5

■ 8B90A5

■ 001DA5

■ 9B9DA5

■ ACABA5

■ BCB8A5

■ CDC6A5

■ DDD4A5

# Harmonies

## Analogous

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



0066A9



4959A5



81488E

# Triad

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



4959A5



954924



006F52

# Complementary

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



4959A5



A59549

# 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.



266C2C



4959A5



7A5908

# Square

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



4959A5



A23C45



57640D



007079

# Rectangle

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



4959A5



963E77



57640D



006F45



# Sweetspot

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



4959A5



B2B8D6



49A594



56596B



EBEBEB



6B6B6B



# Same Dimension

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



4959A5



4760D6



6649A5



494B52



001991



000312



# Inverse Universe

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



A54959



D64760



88A549



52494B



910019

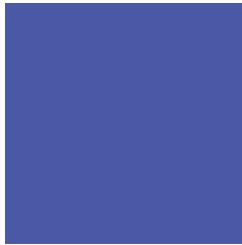


120003



# Previews

## White Background



This preview shows how the Hex color 4959A5 looks on a white background.

## Color Contrast Check

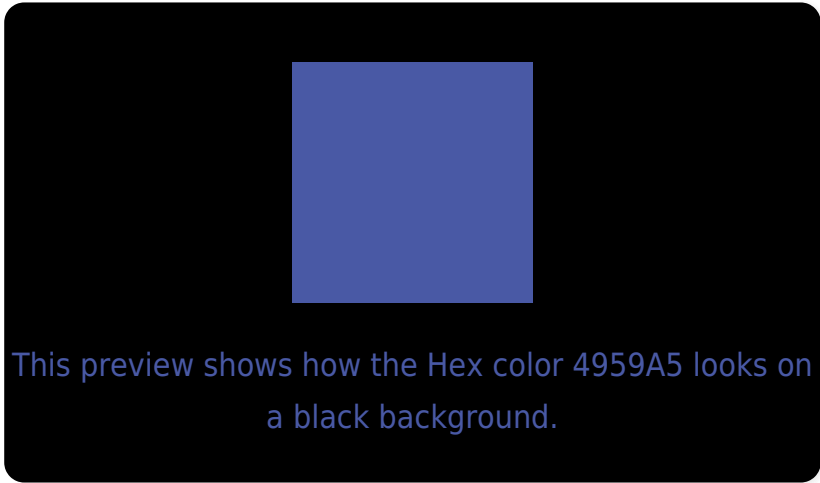
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

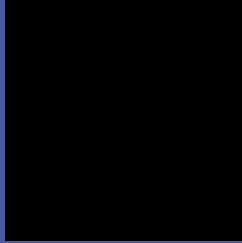
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4959A5 Background



This preview shows how black text looks on a background with the Hex color 4959A5.



This preview shows how white text looks on a background with the Hex color 4959A5.

# 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**  
4959A5

**Protanopia**  
3A5CA8

**Deuteranopia**  
265FA4



**Tritanopia**  
34666E

# Trichromacy



**Original Color**  
4959A5

**Protanomaly**  
3F5BA7

**Deuteranomaly**  
335DA4

**Tritanomaly**  
3C6182

# Monochromacy



**Original Color**  
4959A5

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
565C77

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4959A5 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 #4959A5 looks like.

```
.text, #text, p{  
    color:#4959A5  
}
```

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 #4959A5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4959A5
}
```

## Border

The CSS property to change the border of an element to Hex 4959A5 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
#4959A5 }
```

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

```
.border{ border-color:#4959A5 }
```

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

Here you see how a box with a 4 pixel #4959A5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4959A5; -webkit-box-shadow:4px 4px  
4px 4px #4959A5; box-shadow:4px 4px 4px  
4px #4959A5 }
```

# Background

The CSS property to change the background color of an element to Hex 4959A5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4959A5 }
```

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

```
.background{ background-color:#4959A5 }
```

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](#).



Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor