

# Converting Colors

Hex(535C95)

Have a look what the booklet for  
Hex(535C95) contains.

<b>Hex(535C95)</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(535C95)

# Conversions

## Conversions Part 1

Format	Color
Hex	535C95
RGB	83, 92, 149
RGB Percent	33%, 36%, 58%
CMY	0.6745, 0.6392, 0.4157
CMYK	0.44, 0.38, 0.00, 0.42
HSL	232°, 28%, 45%
HSV	232°, 44%, 58%
XYZ	12.8192, 11.6632, 30.0093
YIQ	95.8070, -23.6610, 15.8190

# Conversions

## Conversions Part 2

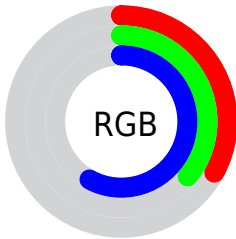
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	83, 91, 149
Decimal	5463189
CIE Lab	40.68, 12.12, -32.44
CIE LCh	41, 34.630, 290.493
Yxy	11.6632, 0.2353, 0.2140
Android (android.graphics.Color)	4283653269 (0xFF535C95)
YUV	95.8070, 26.2241, -11.2317
Hunter-Lab	34.1515, 7.2375, -28.1929

# Details

The Hex color **535C95** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **958C53**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **888ECB**, and **1F2F62** is the 20% darker color. If you saturate the color by 10%, you get **444F95**, and if you desaturate by 10%, it is **626995**.

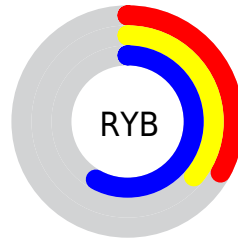
# Distribution



Red (33%)

Green (36%)

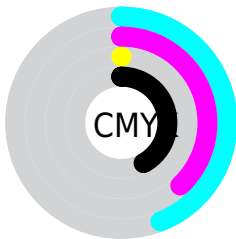
Blue (58%)



Red (33%)

Yellow (36%)

Blue (58%)

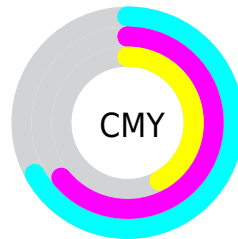


Cyan (44%)

Magenta (38%)

Yellow (0%)

Black (42%)



Cyan (67%)

Magenta (64%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 535C95 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 535C95 by changing the saturation by 10% instead.



■ 535C95

■ 535C95

FFFFFF

■ 39457B

■ 888ECB

■ 1F2F62

■ A3A8E8

■ 001A4A

■ BEC4FF

■ 000033

■ DBE0FF

■ 00021D

■ F8FCFF

■ 000000

■ 535C95

■ 535C95

■ 444F95

■ 626995

■ 354295

■ 717695

■ 263595

■ 808395

■ 172995

■ 8F8F95

■ 081C95

■ 9E9C95

■ 001495

■ ACA995

■ BBB695

■ CAC395

■ D9D095

# Harmonies

## Analogous

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



006698



535C95



7A5184

# Triad

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



535C95



8C5135



006E56

# Complementary

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



535C95



958C53

# 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.



3C6A3A



535C95



785B26

# Square

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



535C95



95494E



5D6428



006E73

# Rectangle

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



535C95



8A4B73



5D6428



1B6D4C



# Sweetspot

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



535C95



A9ACC2



53958B



515461



E0E0E0



616161



# Same Dimension

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



535C95



5B69C2



6A5395



43444A



00138A



00010A



# Inverse Universe

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



95535C



C25B69



7E9553



4A4344



8A0013

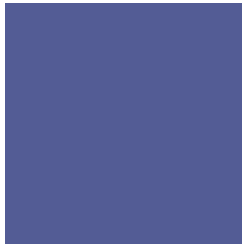


0A0001



# Previews

## White Background



This preview shows how the Hex color 535C95 looks on a white background.

## Color Contrast Check

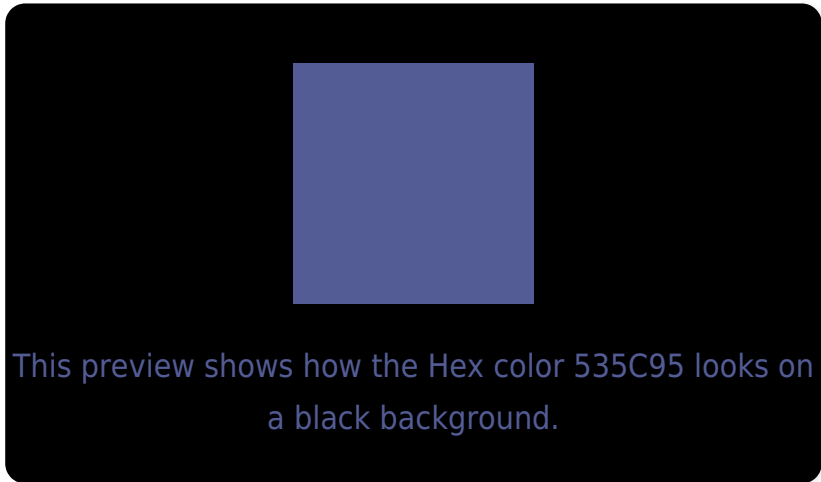
Large Text (above 18pt) WCAG AA ✓ Pass

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

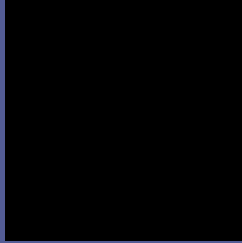
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 535C95 Background



This preview shows how black text looks on a background with the Hex color 535C95.



This preview shows how white text looks on a background with the Hex color 535C95.

# 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**  
535C95

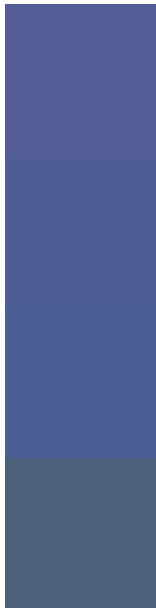
**Protanopia**  
4B5E97

**Deuteranopia**  
456094



**Tritanopia**  
48646D

# Trichromacy



**Original Color**  
535C95

**Protanomaly**  
4E5D96

**Deuteranomaly**  
4A5F94

**Tritanomaly**  
4C617C

# Monochromacy



**Original Color**  
535C95

**Achromatopsia**  
606060

**Achromatomaly**  
5B5F73

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 535C95 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 #535C95 looks like.

```
.text, #text, p{  
    color:#535C95  
}
```

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 #535C95 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #535C95
}
```

## Border

The CSS property to change the border of an element to Hex 535C95 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
#535C95 }
```

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

```
.border{ border-color:#535C95 }
```

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

Here you see how a box with a 4 pixel #535C95 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #535C95; -webkit-box-shadow:4px 4px  
4px 4px #535C95; box-shadow:4px 4px 4px  
4px #535C95 }
```

# Background

The CSS property to change the background color of an element to Hex 535C95 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#535C95 }
```

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

```
.background{ background-color:#535C95 }
```

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