

# Converting Colors

Hex(555775)

Have a look what the booklet for  
Hex(555775) contains.

<b>Hex(555775)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(555775)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	555775
RGB	85, 87, 117
RGB Percent	33%, 34%, 46%
CMY	0.6667, 0.6588, 0.5412
CMYK	0.27, 0.26, 0.00, 0.54
HSL	236°, 16%, 40%
HSV	236°, 27%, 46%
XYZ	10.3654, 10.0320, 18.2197
YIQ	89.8220, -10.8220, 8.9060

# Conversions

## Conversions Part 2

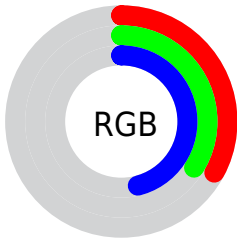
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	85, 87, 117
Decimal	5592949
CIE <sub>Lab</sub>	37.90, 6.56, -17.28
CIE <sub>LCh</sub>	38, 18.482, 290.778
Yxy	10.0320, 0.2684, 0.2598
Android (android.graphics.Color)	4283783029 (0xFF555775)
<b>YUV</b>	89.8220, 13.3988, -4.2289
Hunter-Lab	31.6734, 2.9872, -11.9344

# Details

The Hex color **555775** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **757355**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **8789A9**, and **272A45** is the 20% darker color. If you saturate the color by 10%, you get **494C75**, and if you desaturate by 10%, it is **616275**.

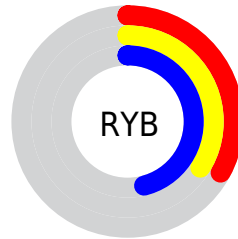
# Distribution



Red (33%)

Green (34%)

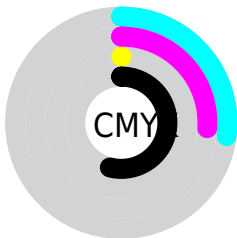
Blue (46%)



Red (33%)

Yellow (34%)

Blue (46%)

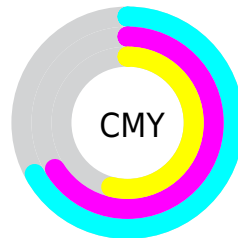


Cyan (27%)

Magenta (26%)

Yellow (0%)

Black (54%)



Cyan (67%)

Magenta (66%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 555775 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 555775 by changing the saturation by 10% instead.



■ 555775

■ 555775

FFFFFF

■ 3D405C

■ 8789A9

■ 272A45

■ A2A3C4

■ 11162E

■ BDBEE0

■ 00011A

■ D9DAFD

■ 000000

■ F5F6FF

■ 555775

■ 555775

■ 494C75

■ 616275

■ 3E4175

■ 6C6D75

■ 323675

■ 787875

■ 262B75

■ 848375

■ 1A2075

■ 908E75

■ 0F1575

■ 9B9975

■ 030A75

■ A7A475

■ 000775

■ B3AF75

■ BEBA75

# Harmonies

## Analogous

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



3F5C76



555775



68526C

# Triad

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



555775



735243



376154

# Complementary

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



555775



757355

# 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.



485F46



555775



68573C

# Square

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



555775



774F4F



595C3D



2B6163

# Rectangle

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



555775



714F63



595C3D



3C614F



# Sweetspot

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



555775



8D8E99



557573



45454D



CCCCCC



4D4D4D



# Same Dimension

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



555775



676A99



635575



35353B



00087A



0010FA



# Inverse Universe

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



755557



99676A



677555



3B3535



7A0008



FA0010



# Previews

## White Background



This preview shows how the Hex color 555775 looks on a white background.

## Color Contrast Check

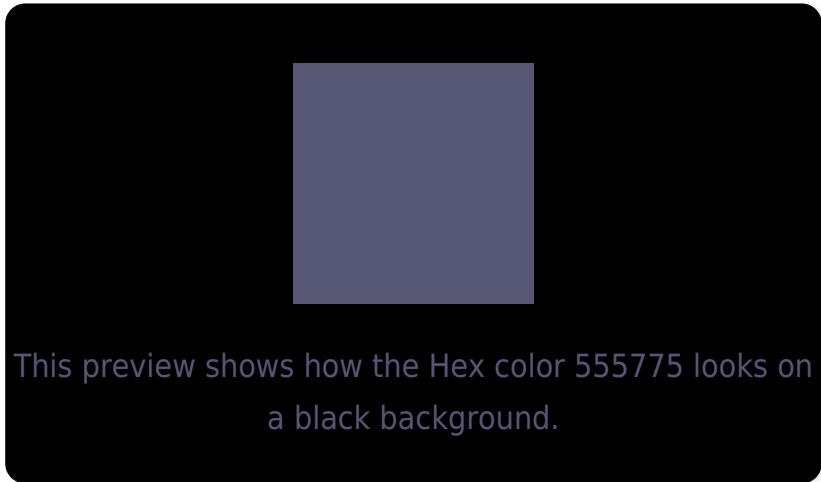
Large Text (above 18pt) WCAG AA ✓ Pass

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

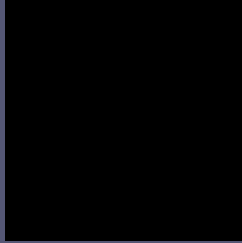
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 555775 Background



This preview shows how black text looks on a background with the Hex color 555775.

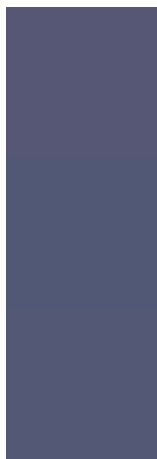


This preview shows how white text looks on a background with the Hex color 555775.

# 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**  
555775

**Protanopia**  
515876

**Deuteranopia**  
535875



**Tritanopia**  
515B62

# Trichromacy



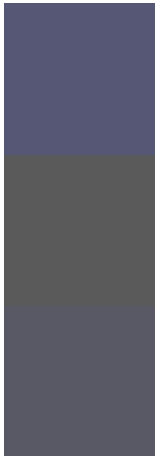
**Original Color**  
555775

**Protanomaly**  
525876

**Deuteranomaly**  
545875

**Tritanomaly**  
525A69

# Monochromacy



**Original Color**  
555775

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
585964

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 555775 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 #555775 looks like.

```
.text, #text, p{  
    color:#555775  
}
```

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 #555775 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #555775
}
```

## Border

The CSS property to change the border of an element to Hex 555775 is called "border". The border property can be set on classes, ids or directly on the HTML element.

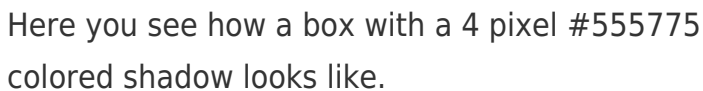
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#555775 }
```

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

```
.border{ border-color:#555775 }
```

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



Here you see how a box with a 4 pixel #555775 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #555775; -webkit-box-shadow:4px 4px  
4px 4px #555775; box-shadow:4px 4px 4px  
4px #555775 }
```

# Background

The CSS property to change the background color of an element to Hex 555775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#555775 }
```

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

```
.background{ background-color:#555775 }
```

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