

# Converting Colors

Hex(31555A)

Have a look what the booklet for  
Hex(31555A) contains.

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# Color

**Hex(31555A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31555A
RGB	49, 85, 90
RGB Percent	19%, 33%, 35%
CMY	0.8078, 0.6667, 0.6471
CMYK	0.46, 0.06, 0.00, 0.65
HSL	187°, 29%, 27%
HSV	187°, 46%, 35%
XYZ	6.3606, 7.8882, 10.8602
YIQ	74.8060, -23.0610, -6.0770

# Conversions

## Conversions Part 2

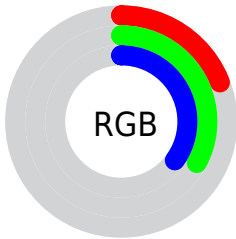
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 68, 90
Decimal	3233114
CIE <sub>Lab</sub>	33.75, -11.44, -6.98
CIE <sub>LCh</sub>	34, 13.398, 211.386
Yxy	7.8882, 0.2533, 0.3142
Android (android.graphics.Color)	4281423194 (0xFF31555A)
YUV	74.8060, 7.4906, -22.6319
Hunter-Lab	28.0859, -8.7255, -3.2661

# Details

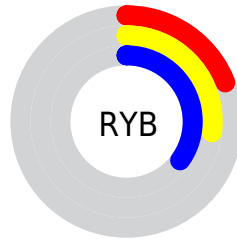
The Hex color **31555A** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5A3631**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **62878C**, and **00282C** is the 20% darker color. If you saturate the color by 10%, you get **28545A**, and if you desaturate by 10%, it is **3A565A**.

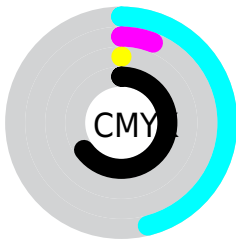
# Distribution



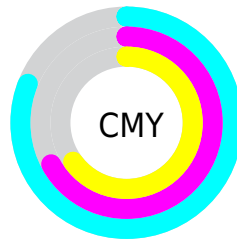
- Red (19%)
- Green (33%)
- Blue (35%)



- Red (19%)
- Yellow (27%)
- Blue (35%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)
- Black (65%)



- Cyan (81%)
- Magenta (67%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31555A 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 31555A by changing the saturation by 10% instead.





31555A



31555A

FFFFFF



193E43



62878C



00282C



7CA1A6



001418



96BCC1



000000



B1D8DD



CDF4FA



E9FFFF



31555A



31555A



28545A



3A565A

■ 1F535A

■ 43575A

■ 16525A

■ 4C585A

■ 0D515A

■ 55595A

■ 04505A

■ 5E5A5A

■ 004F5A

■ 675C5A

■ 705D5A

■ 795E5A

■ 825F5A

# Harmonies

## Analogous

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



35554F



31555A



375362

# Triad

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



31555A



5E495A



574F3A

# Complementary

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



31555A



5A3631

# 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.



604B3D



31555A



64484F

# Square

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



31555A



524C61



654945



4B523D

# Rectangle

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



31555A



3F5164



654945



5A4E3B



# Sweetspot

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



31555A



657375



315A36



31393B



BABABA



3B3B3B



# Same Dimension

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



31555A



356D75



31415A



292D2E



00606E



00D0ED



# Inverse Universe

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



5A3155



75356D



5A4A31



2E292D



6E0060

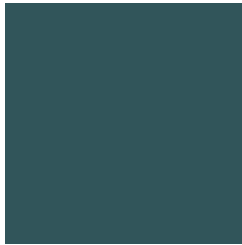


ED00D0



# Previews

## White Background



This preview shows how the Hex color 31555A looks on a white background.

## Color Contrast Check

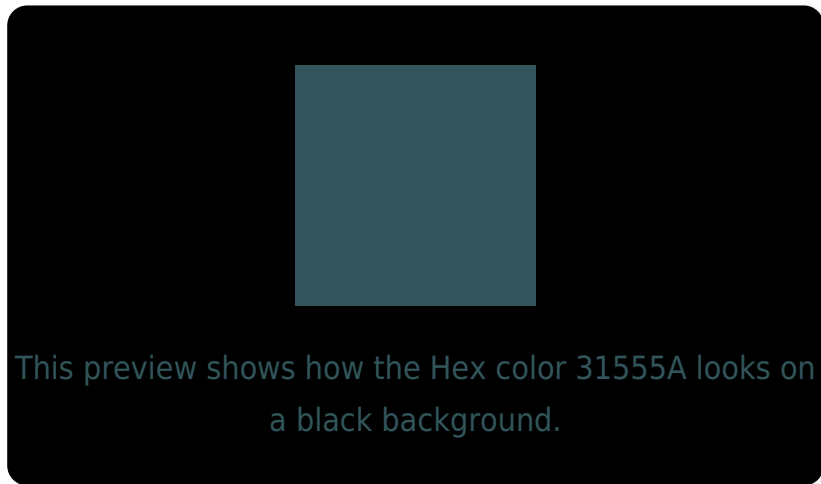
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

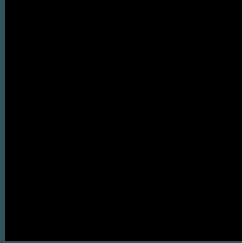
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31555A Background



This preview shows how black text looks on a background with the Hex color 31555A.



This preview shows how white text looks on a background with the Hex color 31555A.

# 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](#).

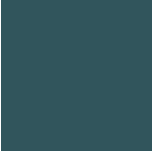
## Dichromacy



**Original Color**  
31555A

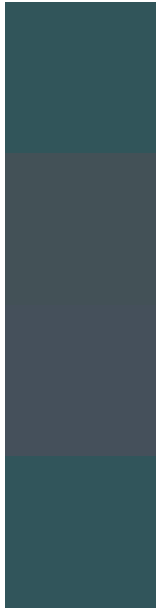
**Protanopia**  
4E4F56

**Deuteranopia**  
514D5C



**Tritanopia**  
31555C

# Trichromacy



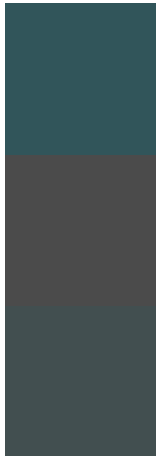
**Original Color**  
31555A

**Protanomaly**  
435157

**Deuteranomaly**  
45505B

**Tritanomaly**  
31555B

# Monochromacy



**Original Color**  
31555A

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
424F50

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31555A 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 #31555A looks like.

```
.text, #text, p{  
    color:#31555A  
}
```

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 #31555A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31555A
}
```

## Border

The CSS property to change the border of an element to Hex 31555A 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
#31555A }
```

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

```
.border{ border-color:#31555A }
```

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

Here you see how a box with a 4 pixel #31555A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31555A; -webkit-box-shadow:4px 4px  
4px 4px #31555A; box-shadow:4px 4px 4px  
4px #31555A }
```

# Background

The CSS property to change the background color of an element to Hex 31555A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31555A }
```

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

```
.background{ background-color:#31555A }
```

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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