

Converting Colors

Hex(31708F)

Have a look what the booklet for
Hex(31708F) contains.

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Color

Hex(31708F)

Conversions

Conversions Part 1

Format	Color
Hex	31708F
RGB	49, 112, 143
RGB Percent	19%, 44%, 56%
CMY	0.8078, 0.5608, 0.4392
CMYK	0.66, 0.22, 0.00, 0.44
HSL	200°, 49%, 38%
HSV	200°, 66%, 56%
XYZ	12.0187, 14.2245, 28.0987
YIQ	96.6970, -47.4990, -3.7150

Conversions

Conversions Part 2

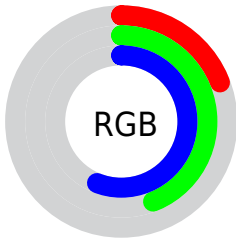
Format	Color
RYB	49, 87, 143
Decimal	3240079
CIELab	44.55, -10.04, -22.93
CIELCh	45, 25.033, 246.350
Yxy	14.2245, 0.2212, 0.2618
Android (android.graphics.Color)	4281430159 (0xFF31708F)
YUV	96.6970, 22.8274, -41.8303
Hunter-Lab	37.7154, -9.1194, -17.7716




Details

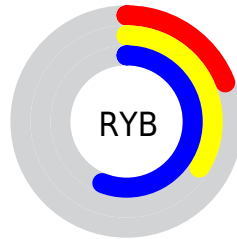
The Hex color **31708F** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **8F5031**, and the grayscale version is **616161**.




A 20% lighter version of the original color is **69A4C5**, and **00405D** is the 20% darker color. If you saturate the color by 10%, you get **236B8F**, and if you desaturate by 10%, it is **3F758F**.

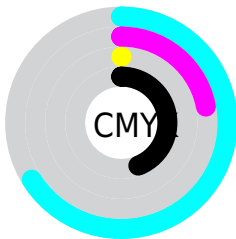
Distribution







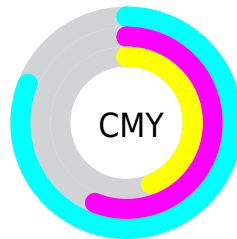
-  Red (19%)
-  Green (44%)
-  Blue (56%)






-  Red (19%)
-  Yellow (34%)
-  Blue (56%)



-  Cyan (66%)
-  Magenta (22%)
-  Yellow (0%)
-  Black (44%)



-  Cyan (81%)
-  Magenta (56%)
-  Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Hex color 31708F 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 31708F by changing the saturation by 10% instead.

■ 31708F

■ 31708F

FFFFFF

■ 0C5875

■ 69A4C5

■ 00405D

■ 85BFE1

■ 002A45

■ A1DBFE

■ 00172E

■ BDF7FF

■ 000119

■ DAFFFF

■ 000000

■ F7FFFF

■ 31708F

■ 31708F

■ 236B8F

■ 3F758F

■ 14678F

■ 4E798F

■ 06628F

■ 5C7E8F

■ 00608F

■ 6A838F

■ 79888F

■ 878C8F

■ 95918F

■ A3968F

■ B29A8F

Harmonies

Analogous

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



1A7481



31708F



536A93

Triad

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



31708F



925966



5D6F47

Complementary

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



31708F



8F5031

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.



736A40



31708F



905C52

Square

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



31708F



875C7A



856244



437358

Rectangle

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



31708F



68658F



856244



646E43

Sweetspot

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



31708F



95AEBA



318F4F



48575E



DEDEDE



5E5E5E

Same Dimension

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



31708F



278ABA



31428F



404547



005B87



000508

Inverse Universe

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



8F3170



BA278A



8F7E31



474045



87005B



080005

Previews

White Background



This preview shows how the Hex color 31708F looks on a white background.

Color Contrast Check

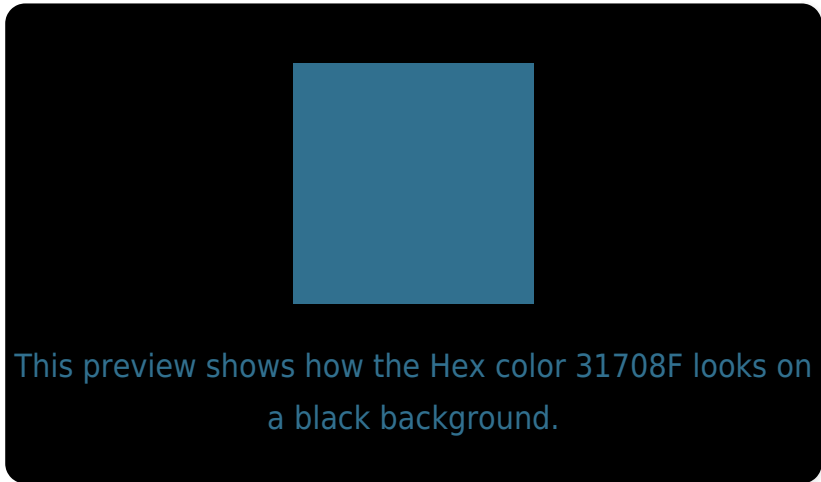
Large Text (above 18pt) WCAG AA ✓ Pass

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

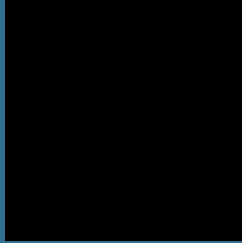
Any Text WCAG AA × Fail

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 31708F Background



This preview shows how black text looks on a background with the Hex color 31708F.

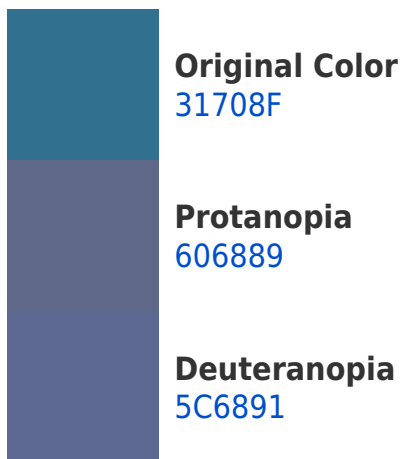


This preview shows how white text looks on a background with the Hex color 31708F.

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](#).

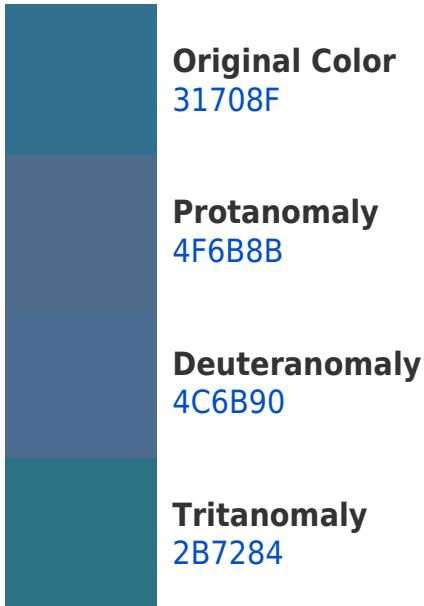
Dichromacy





Tritanopia
27737D

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 31708F 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 #31708F looks like.

```
.text, #text, p{  
    color:#31708F  
}
```

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 #31708F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31708F
}
```

Border

The CSS property to change the border of an element to Hex 31708F 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
#31708F }
```

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

```
.border{ border-color:#31708F }
```

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

Here you see how a box with a 4 pixel #31708F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31708F; -webkit-box-shadow:4px 4px  
4px 4px #31708F; box-shadow:4px 4px 4px  
4px #31708F }
```

Background

The CSS property to change the background color of an element to Hex 31708F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31708F }
```

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

```
.background{ background-color:#31708F }
```

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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