

# Converting Colors

Hex(31720A)

Have a look what the booklet for  
Hex(31720A) contains.

<b>Hex(31720A)</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(31720A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	31720A
RGB	49, 114, 10
RGB Percent	19%, 45%, 4%
CMY	0.8078, 0.5529, 0.9608
CMYK	0.57, 0.00, 0.91, 0.55
HSL	98°, 84%, 24%
HSV	98°, 91%, 45%
XYZ	7.3387, 12.7095, 2.3536
YIQ	82.7090, -5.3560, -46.1240

# Conversions

## Conversions Part 2

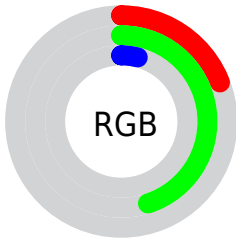
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 114, 75
Decimal	3240458
CIELab	42.32, -38.48, 44.84
CIElCh	42, 59.089, 130.632
Yxy	12.7095, 0.3276, 0.5673
Android (android.graphics.Color)	4281430538 (0xFF31720A)
YUV	82.7090, -35.8455, -29.5628
Hunter-Lab	35.6504, -25.6435, 21.0411

# Details

The Hex color **31720A** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4B0A72**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **67A742**, and **004100** is the 20% darker color. If you saturate the color by 10%, you get **2B7200**, and if you desaturate by 10%, it is **387215**.

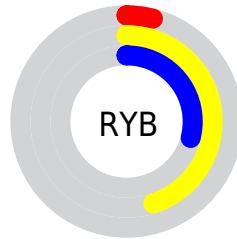
# Distribution



Red (19%)

Green (45%)

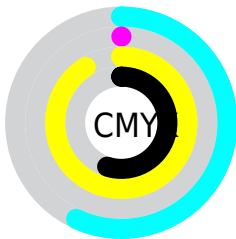
Blue (4%)



Red (4%)

Yellow (45%)

Blue (29%)

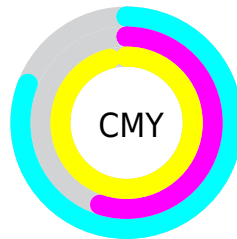


Cyan (57%)

Magenta (0%)

Yellow (91%)

Black (55%)



Cyan (81%)

Magenta (55%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 31720A 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 31720A by changing the saturation by 10% instead.



 31720A

 31720A

FFFFFF

 115900

 67A742

 004100

 82C25B

 002B00

 9EDE75

 000F00


 BAFB90


 000000

 D7FFAB

 F4FFC7

 FFFFE4

 31720A

 31720A

■ 2B7200

■ 387215

■ 3F7221

■ 46722C

■ 4E7238

■ 557243

■ 5C724E

■ 63725A

■ 6A7265

■ 717271

# Harmonies

## Analogous

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



696700



31720A



007841

# Triad

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



31720A



0072C0



B92B55

# Complementary

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



31720A



4B0A72

# 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.



AA3485



31720A



0064C5

# Square

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



31720A



0078A3



7A4EAF



AF3E26

# Rectangle

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



31720A



007964



7A4EAF



B72A65



# Sweetspot

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



31720A



7B946C



724A0A



3B4A32



C9C9C9



4A4A4A



# Same Dimension

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



31720A



379400



0A7216



353832



2D7800



5DF700



# Inverse Universe

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



4B0A72



5C0094



720A66



363238



4B0078

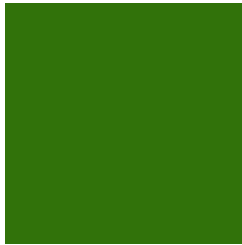


9B00F7



# Previews

## White Background



This preview shows how the Hex color 31720A looks on a white background.

## Color Contrast Check

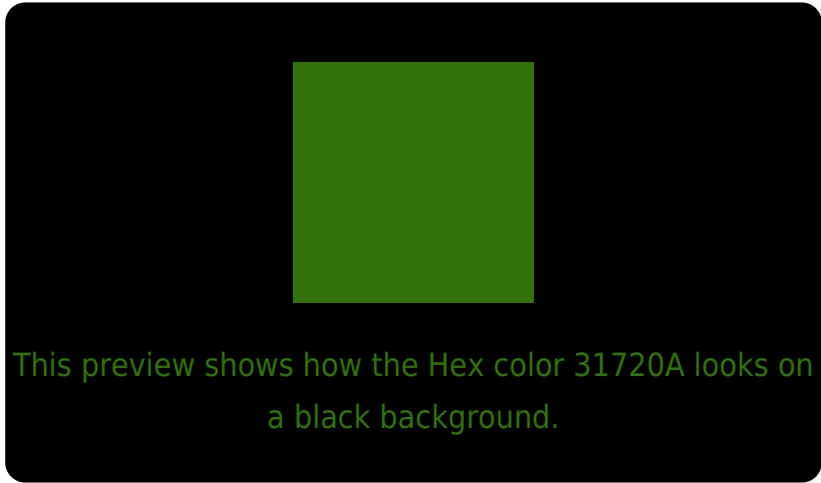
Large Text (above 18pt) WCAG AA ✓ Pass

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 31720A Background



This preview shows how black text looks on a background with the Hex color 31720A.



This preview shows how white text looks on a background with the Hex color 31720A.

# 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**  
31720A

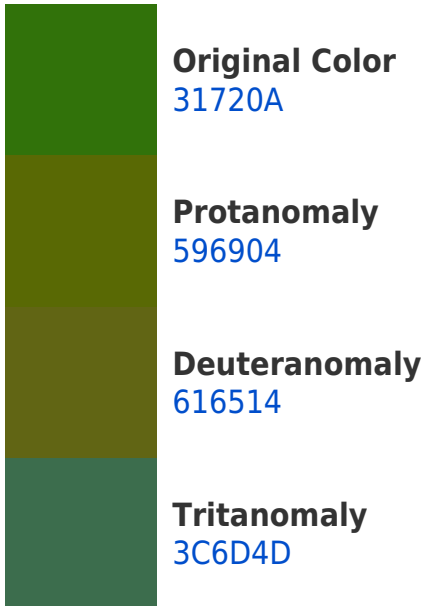
**Protanopia**  
706400

**Deuteranopia**  
7D5E19



**Tritanopia**  
426A73

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31720A 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 #31720A looks like.

```
.text, #text, p{  
    color:#31720A  
}
```

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 #31720A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31720A
}
```

## Border

The CSS property to change the border of an element to Hex 31720A 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
#31720A }
```

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

```
.border{ border-color:#31720A }
```

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

Here you see how a box with a 4 pixel #31720A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31720A; -webkit-box-shadow:4px 4px  
4px 4px #31720A; box-shadow:4px 4px 4px  
4px #31720A }
```

# Background

The CSS property to change the background color of an element to Hex 31720A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31720A }
```

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

```
.background{ background-color:#31720A }
```

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