

# Converting Colors

Hex(25710B)

Have a look what the booklet for  
Hex(25710B) contains.

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**Color**

**Hex(25710B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	25710B
RGB	37, 113, 11
RGB Percent	15%, 44%, 4%
CMY	0.8549, 0.5569, 0.9569
CMYK	0.67, 0.00, 0.90, 0.56
HSL	105°, 82%, 24%
HSV	105°, 90%, 44%
XYZ	6.7285, 12.2277, 2.3222
YIQ	78.6480, -12.5540, -47.8340

# Conversions

## Conversions Part 2

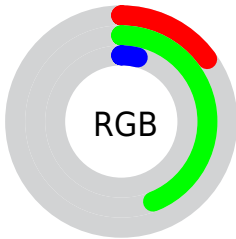
<b>Format</b>	<b>Color</b>
<b>RYB</b>	11, 113, 87
Decimal	2453771
CIELab	41.58, -41.33, 43.81
CIElCh	42, 60.228, 133.337
Yxy	12.2277, 0.3162, 0.5747
Android (android.graphics.Color)	4280643851 (0xFF25710B)
YUV	78.6480, -33.3505, -36.5253
Hunter-Lab	34.9682, -26.8478, 20.5404

# Details

The Hex color **25710B** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **570B71**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **5EA642**, and **004000** is the 20% darker color. If you saturate the color by 10%, you get **1D7100**, and if you desaturate by 10%, it is **2D7116**.

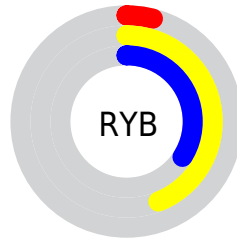
# Distribution



Red (15%)

Green (44%)

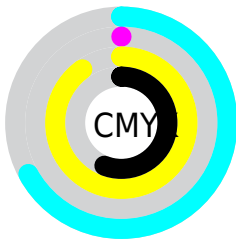
Blue (4%)



Red (4%)

Yellow (44%)

Blue (34%)

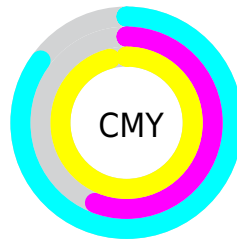


Cyan (67%)

Magenta (0%)

Yellow (90%)

Black (56%)



Cyan (85%)

Magenta (56%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 25710B 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 25710B by changing the saturation by 10% instead.





25710B



25710B

FFFFFF



005800



5EA642



004000



79C15B



002A00



95DD75



000B00



B1FA90



000000



CDF FAB



EAF FC7



FFF FE3



25710B



25710B

■ 1D7100

■ 2D7116

■ 367122

■ 3E712D

■ 477138

■ 4F7144

■ 58714F

■ 60715A

■ 687165

■ 717171

# Harmonies

## Analogous

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



636700



25710B



007644

# Triad

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



25710B



0070C2



B8274E

# Complementary

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



25710B



570B71

# 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.



AB2E80



25710B



0061C3

# Square

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



25710B



0076A5



7F49AB



AC3D1F

# Rectangle

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



25710B



007866



7F49AB



B7255F



# Sweetspot

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



25710B



76946C



71560B



384A32



C9C9C9



4A4A4A



# Same Dimension

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



25710B



269400



0B7123



343832



1F7800



3FF700



# Inverse Universe

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



570B71



6E0094



710B59



373238



590078

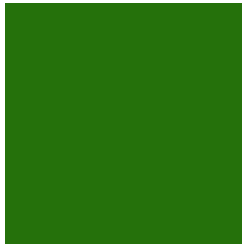


B800F7



# Previews

## White Background



This preview shows how the Hex color 25710B looks on a white background.

## Color Contrast Check

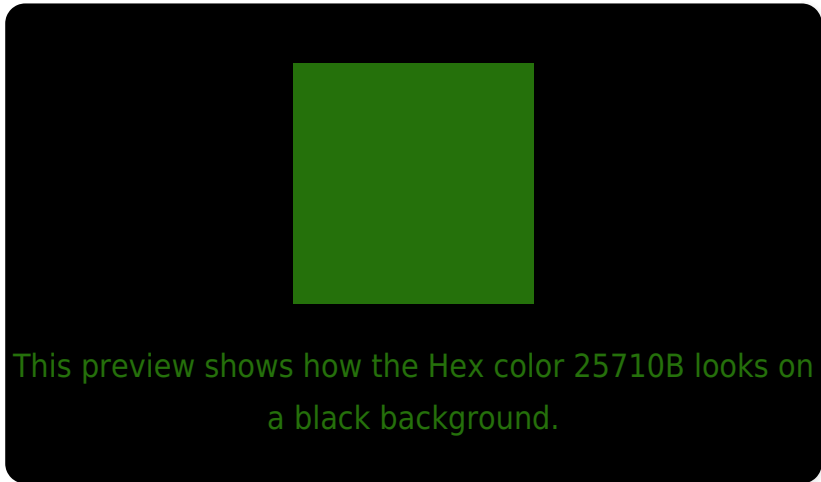
Large Text (above 18pt) WCAG AA ✓ Pass

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 25710B Background



This preview shows how black text looks on a background with the Hex color 25710B.



This preview shows how white text looks on a background with the Hex color 25710B.

# 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**  
25710B

**Protanopia**  
6E6200

**Deuteranopia**  
7B5D1A



**Tritanopia**  
3A6972

# Trichromacy



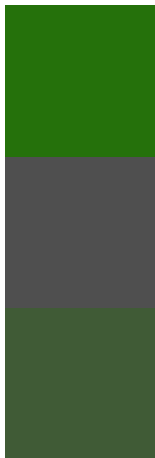
**Original Color**  
25710B

**Protanomaly**  
536704

**Deuteranomaly**  
5C6415

**Tritanomaly**  
326C4D

# Monochromacy



**Original Color**  
25710B

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
405B36

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 25710B 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 #25710B looks like.

```
.text, #text, p{  
    color:#25710B  
}
```

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 #25710B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #25710B
}
```

## Border

The CSS property to change the border of an element to Hex 25710B 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
#25710B }
```

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

```
.border{ border-color:#25710B }
```

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

Here you see how a box with a 4 pixel #25710B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #25710B; -webkit-box-shadow:4px 4px  
4px 4px #25710B; box-shadow:4px 4px 4px  
4px #25710B }
```

# Background

The CSS property to change the background color of an element to Hex 25710B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#25710B }
```

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

```
.background{ background-color:#25710B }
```

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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