

# Converting Colors

Hex(B25100)

Have a look what the booklet for  
Hex(B25100) contains.

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**Color**

**Hex(B25100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B25100
RGB	178, 81, 0
RGB Percent	70%, 32%, 0%
CMY	0.3020, 0.6824, 1.0000
CMYK	0.00, 0.54, 1.00, 0.30
HSL	27°, 100%, 35%
HSV	27°, 100%, 70%
XYZ	21.3025, 15.3498, 1.8400
YIQ	100.7690, 83.8130, -4.6270

# Conversions

## Conversions Part 2

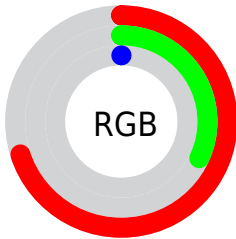
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 149, 0
Decimal	11686144
CIE <sub>Lab</sub>	46.11, 36.00, 55.76
CIE <sub>LCh</sub>	46, 66.374, 57.152
Yxy	15.3498, 0.5534, 0.3988
Android (android.graphics.Color)	4289876224 (0xFFB25100)
YUV	100.7690, -49.6791, 67.7316
Hunter-Lab	39.1789, 28.4919, 24.6406

# Details

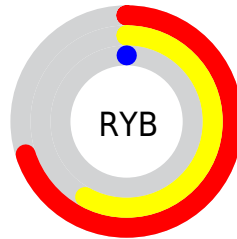
The Hex color **B25100** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **0061B2**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **F0843B**, and **761F00** is the 20% darker color. If you saturate the color by 10%, you get **B25100**, and if you desaturate by 10%, it is **B25B12**.

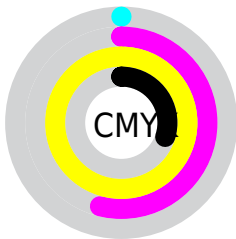
# Distribution



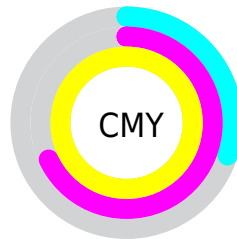
- Red (70%)
- Green (32%)
- Blue (0%)



- Red (70%)
- Yellow (58%)
- Blue (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (100%)
- Black (30%)



- Cyan (30%)
- Magenta (68%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B25100 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 B25100 by changing the saturation by 10% instead.



 B25100

 B25100

 FFFFFFF9

 943800

 F0843B

 761F00

 FF9F54

 580200

 FFBB6E

 3C0000

 FFD789

 210001

 FFF3A4

 000000

 FFFFC0

 FFFFDC

 B25100

 B25B12

 B26424

 B26E35

 B27847

 B28259

 B28B6B

 B2957D

 B29F8E

 B2A8A0

# Harmonies

## Analogous

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



CA333E



B25100



896900

# Triad

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



B25100



008566



5B61D1

# Complementary

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



B25100



0061B2

# 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.



0076DD



B25100



00859F

# Square

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



B25100



00812B



0081CB



A942AA

# Rectangle

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



B25100



677400



0081CB



1C69D9



# Sweetspot

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



B25100



E8C2A2



B20062



755E4B



F5F5F5



757575



# Same Dimension

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



B25100



E86A00



B2A900



595450



994600



1A0C00



# Inverse Universe

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



0061B2



007EE8



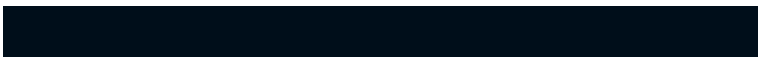
0009B2



505559



005399



000E1A



# Previews

## White Background



This preview shows how the Hex color B25100 looks on a white background.

## Color Contrast Check

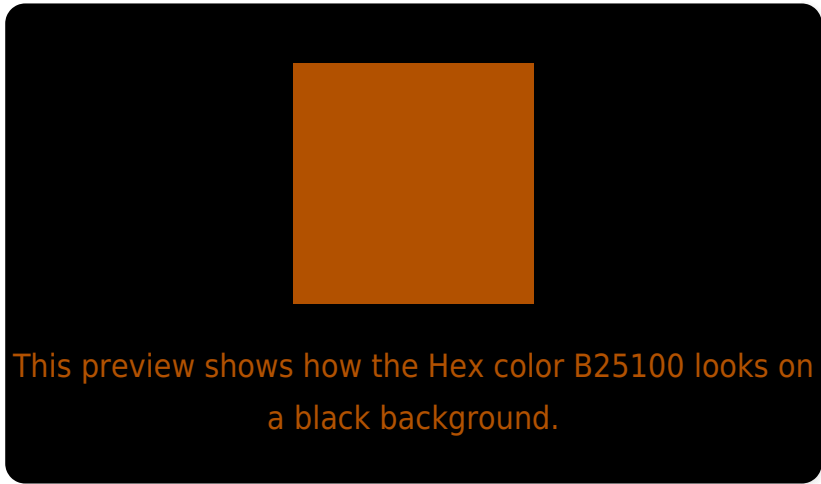
Large Text (above 18pt) WCAG AA ✓ Pass

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 B25100 Background



This preview shows how black text looks on a background with the Hex color B25100.



This preview shows how white text looks on a background with the Hex color B25100.

# 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](#).

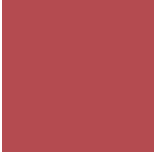
## Dichromacy



**Original Color**  
B25100

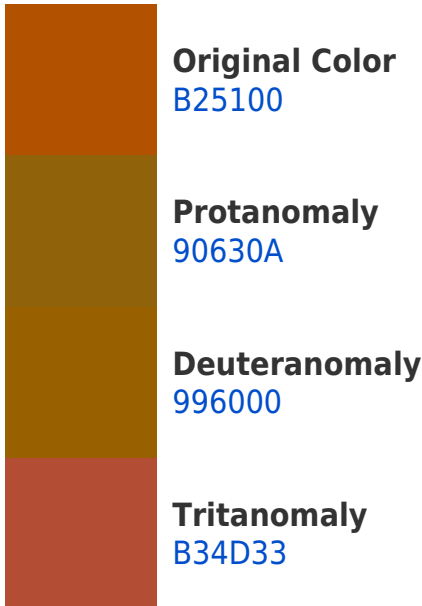
**Protanopia**  
7C6E10

**Deuteranopia**  
8B6800



**Tritanopia**  
B44B50

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B25100 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 #B25100 looks like.

```
.text, #text, p{  
    color:#B25100  
}
```

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 #B25100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B25100
}
```

## Border

The CSS property to change the border of an element to Hex B25100 is called "border". The border property can be set on classes, ids or directly on the HTML element.

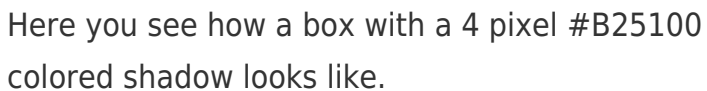
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B25100 }
```

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

```
.border{ border-color:#B25100 }
```

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



Here you see how a box with a 4 pixel #B25100 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B25100; -webkit-box-shadow:4px 4px  
4px 4px #B25100; box-shadow:4px 4px 4px  
4px #B25100 }
```

# Background

The CSS property to change the background color of an element to Hex B25100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B25100 }
```

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

```
.background{ background-color:#B25100 }
```

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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