

# Converting Colors

Hex(B12A31)

Have a look what the booklet for  
Hex(B12A31) contains.

<b>Hex(B12A31)</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(B12A31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B12A31
RGB	177, 42, 49
RGB Percent	69%, 16%, 19%
CMY	0.3059, 0.8353, 0.8078
CMYK	0.00, 0.76, 0.72, 0.31
HSL	357°, 62%, 43%
HSV	357°, 76%, 69%
XYZ	19.5138, 11.2248, 4.0438
YIQ	83.1630, 78.2130, 30.7970

# Conversions

## Conversions Part 2

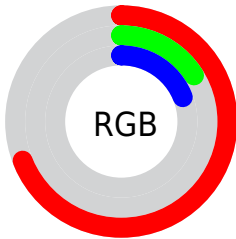
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 42, 49
Decimal	11610673
CIE Lab	39.96, 53.77, 29.75
CIE LCh	40, 61.454, 28.952
Yxy	11.2248, 0.5610, 0.3227
Android (android.graphics.Color)	4289800753 (0xFFB12A31)
YUV	83.1630, -16.8424, 82.2950
Hunter-Lab	33.5034, 45.3349, 16.2961

# Details

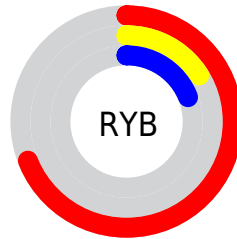
The Hex color **B12A31** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **2AB1AA**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **EF635F**, and **750004** is the 20% darker color. If you saturate the color by 10%, you get **B11820**, and if you desaturate by 10%, it is **B13C42**.

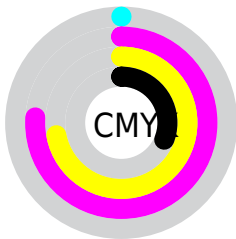
# Distribution



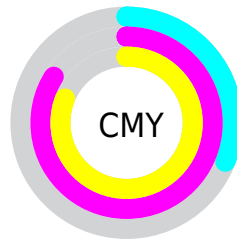
- Red (69%)
- Green (16%)
- Blue (19%)



- Red (69%)
- Yellow (16%)
- Blue (19%)



- Cyan (0%)
- Magenta (76%)
- Yellow (72%)
- Black (31%)



- Cyan (31%)
- Magenta (84%)
- Yellow (81%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B12A31 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 B12A31 by changing the saturation by 10% instead.



 B12A31

 B12A31

FFFFFF

 93001C

 EF635F

 750004

 FF7E78

 570000

 FF9A92

 3C0003

 FFB6AD

 160000

 FFD3C8

 000000

 FFF0E4

 B12A31

 B12A31

 B11820

 B13C42

 B1070F

 B14D53

 B10009

 B15F63

 B17174

 B18285

 B19496

 B1A6A6

 B1B8B7

 B1C9C8

# Harmonies

## Analogous

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



B21C62



B12A31



9A4600

# Triad

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



B12A31



007026



0065C4

# Complementary

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



B12A31



2AB1AA

# 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.



0070B4



B12A31



00735B

# Square

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



B12A31



426900



00748E



5351B7

# Rectangle

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



B12A31



825500



00748E



006AC2



# Sweetspot

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



B12A31



E6B1B3



A82AB1



735354



F2F2F2



737373



# Same Dimension

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



B12A31



E6121D



B1642A



595051



990008



1A0001



# Inverse Universe

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



B12A31



E6121D



2A77B1



595051



990008



1A0001



# Previews

## White Background



This preview shows how the Hex color B12A31 looks on a white background.

## Color Contrast Check

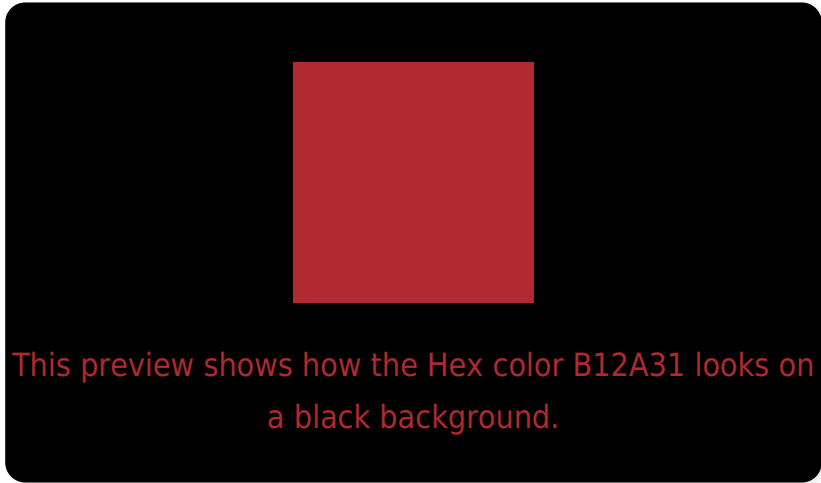
Large Text (above 18pt) WCAG AA ✓ Pass

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 B12A31 Background



This preview shows how black text looks on a background with the Hex color B12A31.

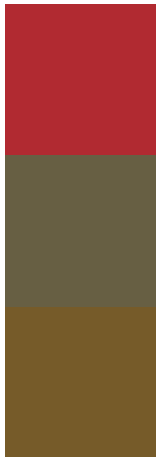


This preview shows how white text looks on a background with the Hex color B12A31.

# 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**  
B12A31

**Protanopia**  
675F43

**Deuteranopia**  
765B29



# Trichromacy



**Original Color**  
B12A31

**Protanomaly**  
824C3C

**Deuteranomaly**  
8B492C

**Tritanomaly**  
B12B2E

# Monochromacy



**Original Color**  
B12A31

**Achromatopsia**  
535353

**Achromatomaly**  
754447

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B12A31 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 #B12A31 looks like.

```
.text, #text, p{  
    color:#B12A31  
}
```

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 #B12A31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B12A31
}
```

## Border

The CSS property to change the border of an element to Hex B12A31 is called "border". The border property can be set on classes, ids or directly on the HTML element.

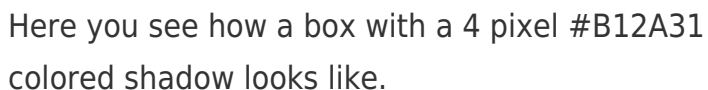
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B12A31 }
```

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

```
.border{ border-color:#B12A31 }
```

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



Here you see how a box with a 4 pixel #B12A31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B12A31; -webkit-box-shadow:4px 4px  
4px 4px #B12A31; box-shadow:4px 4px 4px  
4px #B12A31 }
```

# Background

The CSS property to change the background color of an element to Hex B12A31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B12A31 }
```

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

```
.background{ background-color:#B12A31 }
```

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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