

Converting Colors

RGB(128, 31, 112)

Have a look what the booklet for
RGB(128, 31, 112) contains.

RGB(128, 31, 112)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(128, 31, 112)

Conversions

Conversions Part 1

Format	Color
Hex	801F70
RGB	128, 31, 112
RGB Percent	50%, 12%, 44%
CMY	0.4980, 0.8784, 0.5608
CMYK	0.00, 0.76, 0.12, 0.50
HSL	310°, 61%, 31%
HSV	310°, 76%, 50%
XYZ	12.3167, 6.7390, 15.9808
YIQ	69.2370, 31.8110, 45.7550

Conversions

Conversions Part 2

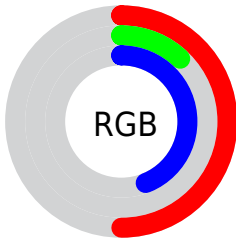
Format	Color
R_{YB}	128, 31, 112
Decimal	8396656
CIE _{Lab}	31.21, 49.55, -24.11
CIE _{LCh}	31, 55.104, 334.054
Yxy	6.7390, 0.3515, 0.1923
Android (android.graphics.Color)	4286586736 (0xFF801F70)
YUV	69.2370, 21.0822, 51.5352
Hunter-Lab	25.9596, 39.2611, -18.3274

Details

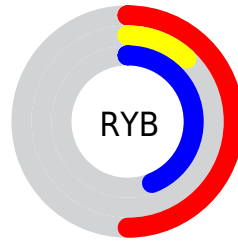
The RGB color **128, 31, 112** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 128, 47**, and the grayscale version is **69, 69, 69**.

A 20% lighter version of the original color is **184, 86, 164**, and **75, 0, 64** is the 20% darker color. If you saturate the color by 10%, you get **128, 18, 110**, and if you desaturate by 10%, it is **128, 44, 114**.

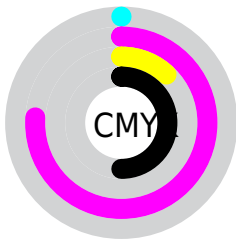
Distribution



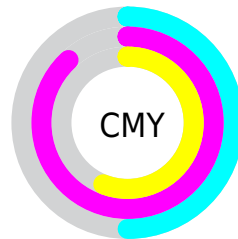
- Red (50%)
- Green (12%)
- Blue (44%)



- Red (50%)
- Yellow (12%)
- Blue (44%)



- Cyan (0%)
- Magenta (76%)
- Yellow (12%)
- Black (50%)




- Cyan (50%)
- Magenta (88%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RGB color 128, 31, 112 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 RGB color 128, 31, 112 by changing the saturation by 10% instead.

 128, 31, 112


 128, 31, 112

255, 255, 255


 101, 0, 87

 184, 86, 164

 75, 0, 64

 212, 112, 191

 52, 0, 42

 242, 139, 219

 18, 0, 20

 255, 167, 248

 0, 0, 0

 255, 195, 255

 255, 224, 255

 255, 253, 255

 128, 31, 112

 128, 31, 112

■ 128, 18, 110

■ 128, 44, 114

■ 128, 5, 108

■ 128, 57, 116

■ 128, 0, 107

■ 128, 69, 118

■ 128, 82, 120

■ 128, 95, 123

■ 128, 108, 125

■ 128, 121, 127

■ 128, 133, 129

■ 128, 146, 131

Harmonies

Analogous

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



77, 59, 146



128, 31, 112



147, 6, 70

Triad

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



128, 31, 112



86, 74, 0



0, 91, 121

Complementary

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



128, 31, 112



31, 128, 47

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.



0, 91, 78



128, 31, 112



39, 84, 0

Square

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



128, 31, 112



119, 56, 0



0, 89, 33



0, 88, 151

Rectangle

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



128, 31, 112



146, 20, 41



0, 89, 33



0, 92, 108

Sweetspot

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



128, 31, 112



166, 128, 159



46, 31, 128



84, 61, 80



212, 212, 212



84, 84, 84

Same Dimension

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



128, 31, 112



166, 15, 141



128, 31, 65



64, 57, 63



128, 0, 106



0, 0, 0

Inverse Universe

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



128, 31, 112



166, 15, 141



31, 128, 94



64, 57, 63



128, 0, 106



0, 0, 0

Previews

White Background



This preview shows how the RGB color 128, 31, 112 looks on a white background.

Color Contrast Check

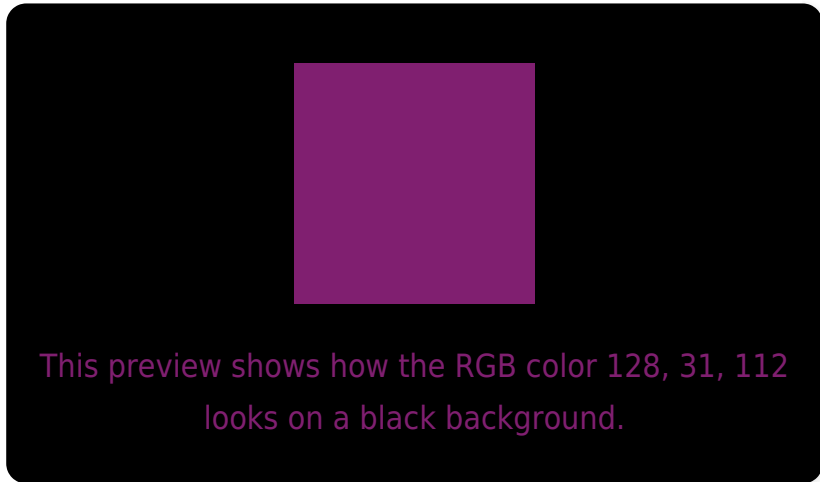
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

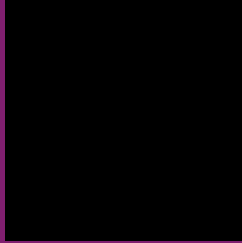
Any Text WCAG AA × Fail

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](#).

RGB 128, 31, 112 Background



This preview shows how black text looks on a background with the RGB color 128, 31, 112.



This preview shows how white text looks on a background with the RGB color 128, 31, 112.

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
128, 31, 112

Protanopia
27, 72, 148

Deuteranopia
63, 74, 106



Tritanopia
122, 51, 55

Trichromacy



Original Color

128, 31, 112

Protanomaly

64, 57, 135

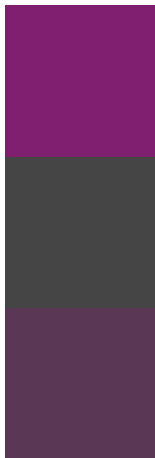
Deuteranomaly

87, 58, 108

Tritanomaly

124, 44, 76

Monochromacy



Original Color

128, 31, 112

Achromatopsia

69, 69, 69

Achromatomaly

90, 55, 85

CSS Examples

Text

The CSS property to change the color of the text to RGB 128, 31, 112 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 `rgb(128, 31, 112)` looks like.

```
.text, #text, p{  
    color:rgb(128, 31, 112)  
}
```

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 rgb(128, 31, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 31, 112) }
```

Border

The CSS property to change the border of an element to RGB 128, 31, 112 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 rgb(128, 31, 112) }
```

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

```
.border{ border-color:rgb(128, 31, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 31, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 31, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 31, 112);  
box-shadow:4px 4px 4px 4px rgb(128, 31,  
112) }
```

Background

The CSS property to change the background color of an element to RGB 128, 31, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 31, 112) }
```

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

```
.background{ background-color: rgb(128, 31,  
112) }
```

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