

Converting Colors

`RYB(156, 31, 128)`

Have a look what the booklet for
RYB(156, 31, 128) contains.

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Color

R_YB(156, 31, 128)

Conversions

Conversions Part 1

Format	Color
Hex	9C1F80
RGB	156, 31, 128
RGB Percent	61%, 12%, 50%
CMY	0.3882, 0.8784, 0.4980
CMYK	0.00, 0.80, 0.18, 0.39
HSL	313°, 67%, 37%
HSV	313°, 80%, 61%
XYZ	18.0966, 9.6064, 21.3225
YIQ	79.4330, 43.3630, 56.6670

Conversions

Conversions Part 2

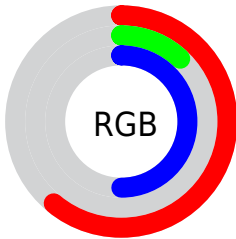
Format	Color
RYB	156, 31, 128
Decimal	10231680
CIELab	37.13, 58.65, -24.54
CIElCh	37, 63.579, 337.291
Yxy	9.6064, 0.3691, 0.1959
Android (android.graphics.Color)	4288421760 (0xFF9C1F80)
YUV	79.4330, 23.9435, 67.1493
Hunter-Lab	30.9942, 49.9809, -19.0927

Details

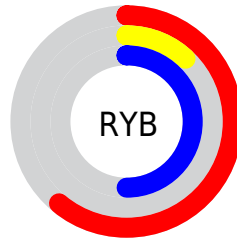
The RYB color **156, 31, 128** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **31, 133, 156**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **214, 91, 181**, and **100, 0, 78** is the 20% darker color. If you saturate the color by 10%, you get **156, 15, 125**, and if you desaturate by 10%, it is **156, 47, 131**.

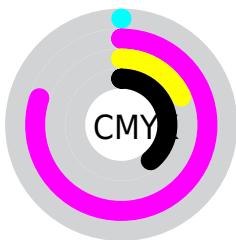
Distribution



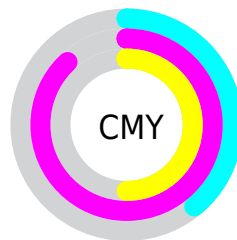
- Red (61%)
- Green (12%)
- Blue (50%)



- Red (61%)
- Yellow (12%)
- Blue (50%)



- Cyan (0%)
- Magenta (80%)
- Yellow (18%)
- Black (39%)




- Cyan (39%)
- Magenta (88%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 31, 128 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 RYB color 156, 31, 128 by changing the saturation by 10% instead.

 156, 31, 128

255, 255, 255

 214, 91, 181

 243, 119, 209

 255, 146, 237

 255, 175, 255

 255, 203, 255

 255, 232, 255

 156, 31, 128

 128, 0, 103

 100, 0, 78


 73, 0, 55

 49, 0, 34

 6, 0, 6

 0, 0, 0

 156, 31, 128

 156, 15, 125

 156, 31, 128

 156, 47, 131

■ 156, 0, 121

■ 156, 62, 135

■ 156, 78, 138

■ 156, 93, 142

■ 156, 109, 145

■ 156, 125, 149

■ 156, 140, 152

■ 156, 156, 156

■ 156, 169, 171

Harmonies

Analogous

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



101, 67, 170



156, 31, 128



175, 0, 77

Triad

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



156, 31, 128



8, 96, 0



0, 63, 149

Complementary

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



156, 31, 128



31, 133, 156

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, 57, 109



156, 31, 128



0, 101, 65

Square

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



156, 31, 128



135, 137, 0



0, 74, 106



0, 66, 183

Rectangle

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



156, 31, 128



171, 26, 44



0, 74, 106



0, 60, 133

Sweetspot

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



156, 31, 128



204, 155, 193



58, 31, 156



102, 72, 95



230, 230, 230



102, 102, 102

Same Dimension

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



156, 31, 128



204, 8, 160



156, 31, 66



79, 71, 77



143, 0, 111



15, 0, 12

Inverse Universe

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



156, 31, 128



204, 8, 160



31, 104, 156



79, 71, 77



143, 0, 111



15, 0, 12

Previews

White Background



This preview shows how the RYB color 156, 31, 128 looks on a white background.

Color Contrast Check

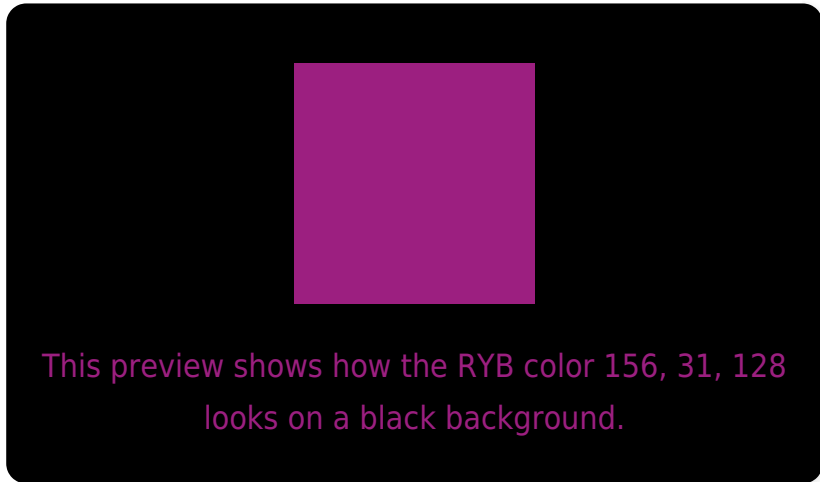
Large Text (above 18pt) WCAG AA ✓ Pass

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

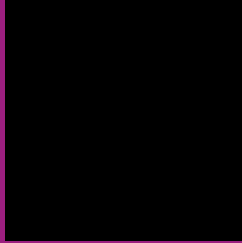
Any Text WCAG AA × Fail

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](#).

RYB 156, 31, 128 Background



This preview shows how black text looks on a background with the RYB color 156, 31, 128.

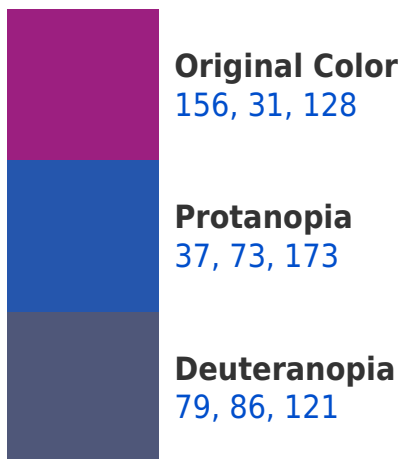


This preview shows how white text looks on a background with the RYB color 156, 31, 128.

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





Tritanopia
150, 57, 60

Trichromacy



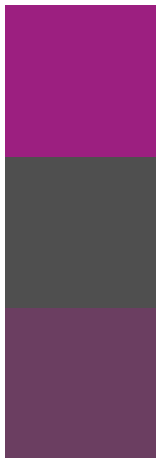
Original Color
156, 31, 128

Protanomaly
80, 66, 157

Deuteranomaly
107, 67, 124

Tritanomaly
152, 48, 85

Monochromacy



Original Color
156, 31, 128

Achromatopsia
79, 79, 79

Achromatomaly
107, 62, 97

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 31, 128 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(156, 31, 128)` looks like.

```
.text, #text, p{  
    color:rgb(156, 31, 128)  
}
```

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(156, 31, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 31, 128) }
```

Border

The CSS property to change the border of an element to RYB 156, 31, 128 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(156, 31, 128) }
```

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

```
.border{ border-color:rgb(156, 31, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 31, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 31, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 31, 128);  
box-shadow:4px 4px 4px 4px rgb(156, 31,  
128) }
```

Background

The CSS property to change the background color of an element to RGB 156, 31, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 31, 128) }
```

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

```
.background{ background-color: rgb(156, 31,  
128) }
```

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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