

Converting Colors

`RYB(161, 37, 131)`

Have a look what the booklet for
RYB(161, 37, 131) contains.

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Color

R_YB(161, 37, 131)

Conversions

Conversions Part 1

Format	Color
Hex	A12583
RGB	161, 37, 131
RGB Percent	63%, 15%, 51%
CMY	0.3686, 0.8549, 0.4863
CMYK	0.00, 0.77, 0.19, 0.37
HSL	315°, 63%, 39%
HSV	315°, 77%, 63%
XYZ	19.4562, 10.5389, 22.4815
YIQ	84.7920, 43.7300, 55.5220

Conversions

Conversions Part 2

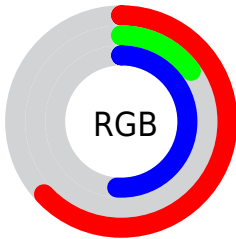
Format	Color
RYB	161, 37, 131
Decimal	10560899
CIELab	38.79, 58.50, -23.74
CIElCh	39, 63.133, 337.913
Yxy	10.5389, 0.3708, 0.2008
Android (android.graphics.Color)	4288750979 (0xFFA12583)
YUV	84.7920, 22.7805, 66.8344
Hunter-Lab	32.4637, 50.1679, -18.3345

Details

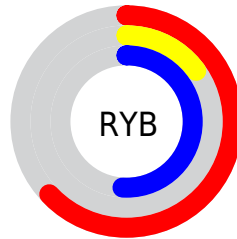
The RYB color **161, 37, 131** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **37, 137, 161**, and the grayscale version is **85, 85, 85**.

A 20% lighter version of the original color is **219, 96, 184**, and **105, 0, 81** is the 20% darker color. If you saturate the color by 10%, you get **161, 21, 127**, and if you desaturate by 10%, it is **161, 53, 135**.

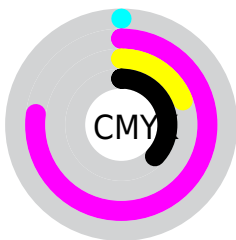
Distribution



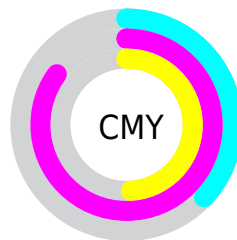
- Red (63%)
- Green (15%)
- Blue (51%)



- Red (63%)
- Yellow (15%)
- Blue (51%)



- Cyan (0%)
- Magenta (77%)
- Yellow (19%)
- Black (37%)





- Cyan (37%)
- Magenta (85%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 161, 37, 131 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 161, 37, 131 by changing the saturation by 10% instead.

 161, 37, 131

 161, 37, 131

255, 255, 255

 133, 0, 106

 219, 96, 184

 105, 0, 81


 249, 123, 212

 78, 0, 58

 255, 151, 240

 54, 0, 36


 255, 179, 255


 19, 0, 11


 255, 208, 255


 0, 0, 0

 255, 237, 255

 161, 37, 131

 161, 37, 131

 161, 21, 127

 161, 53, 135

■ 161, 5, 123

■ 161, 69, 139

■ 161, 0, 122

■ 161, 85, 143

■ 161, 101, 147

■ 161, 118, 150

■ 161, 134, 154

■ 161, 150, 158

■ 161, 165, 166

■ 161, 178, 182

Harmonies

Analogous

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



107, 70, 173



161, 37, 131



179, 15, 80

Triad

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



161, 37, 131



6, 100, 0



0, 65, 154

Complementary

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



161, 37, 131



37, 137, 161

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, 59, 113



161, 37, 131



0, 105, 65

Square

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



161, 37, 131



128, 141, 0



0, 77, 111



0, 68, 187

Rectangle

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



161, 37, 131



176, 34, 47



0, 77, 111



0, 62, 138

Sweetspot

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



161, 37, 131



209, 161, 197



66, 37, 161



105, 75, 97



232, 232, 232



105, 105, 105

Same Dimension

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



161, 37, 131



209, 17, 163



161, 37, 70



82, 73, 80



145, 0, 110



18, 0, 14

Inverse Universe

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



161, 37, 131



209, 17, 163



37, 109, 161



82, 73, 80



145, 0, 110



18, 0, 14

Previews

White Background



This preview shows how the RYB color 161, 37, 131 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



This preview shows how the RYB color 161, 37, 131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

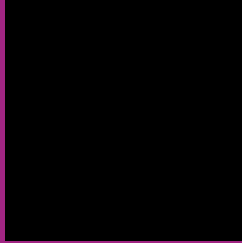
Any Text WCAG AA × Fail

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](#).

R Y B 161, 37, 131 Background



This preview shows how black text looks on a background with the R Y B color 161, 37, 131.

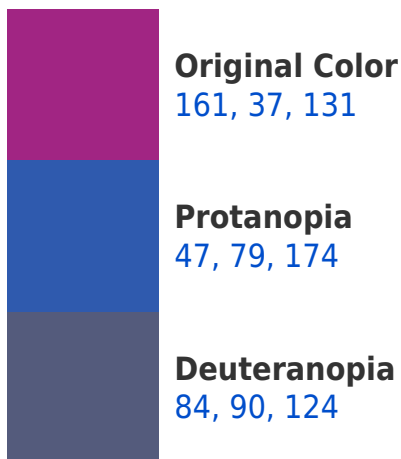


This preview shows how white text looks on a background with the R Y B color 161, 37, 131.

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
155, 60, 64

Trichromacy



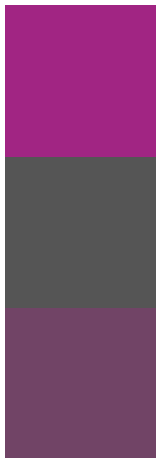
Original Color
161, 37, 131

Protanomaly
88, 71, 158

Deuteranomaly
112, 71, 127

Tritanomaly
157, 52, 88

Monochromacy



Original Color
161, 37, 131

Achromatopsia
85, 85, 85

Achromatomaly
113, 68, 102

CSS Examples

Text

The CSS property to change the color of the text to RYB 161, 37, 131 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(161, 37, 131)` looks like.

```
.text, #text, p{  
    color:rgb(161, 37, 131)  
}
```

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(161, 37, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 37, 131) }
```

Border

The CSS property to change the border of an element to RYB 161, 37, 131 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(161, 37, 131) }
```

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

```
.border{ border-color:rgb(161, 37, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 37, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 37, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 37, 131);  
box-shadow:4px 4px 4px 4px rgb(161, 37,  
131) }
```

Background

The CSS property to change the background color of an element to RGB 161, 37, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 37, 131) }
```

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

```
.background{ background-color: rgb(161, 37,  
131) }
```

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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