

Converting Colors

`RYB(181, 32, 113)`

Have a look what the booklet for
RYB(181, 32, 113) contains.

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Color

R_YB(181, 32, 113)

Conversions

Conversions Part 1

Format	Color
Hex	B52071
RGB	181, 32, 113
RGB Percent	71%, 13%, 44%
CMY	0.2902, 0.8745, 0.5569
CMYK	0.00, 0.82, 0.38, 0.29
HSL	327°, 70%, 42%
HSV	327°, 82%, 71%
XYZ	22.5532, 12.0490, 16.7598
YIQ	85.7850, 62.8030, 56.7790

Conversions

Conversions Part 2

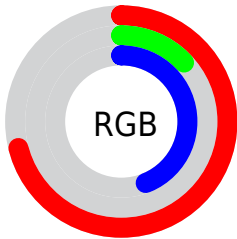
Format	Color
R _Y B	181, 32, 113
Decimal	11870321
CIE Lab	41.29, 62.59, -8.40
CIE LCh	41, 63.152, 352.354
Yxy	12.0490, 0.4391, 0.2346
Android (android.graphics.Color)	4290060401 (0xFFB52071)
YUV	85.7850, 13.4170, 83.5036
Hunter-Lab	34.7117, 55.2311, -4.3287

Details

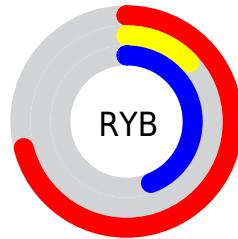
The RYB color **181, 32, 113** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **32, 134, 181**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **241, 95, 165**, and **123, 0, 65** is the 20% darker color. If you saturate the color by 10%, you get **181, 14, 105**, and if you desaturate by 10%, it is **181, 50, 121**.

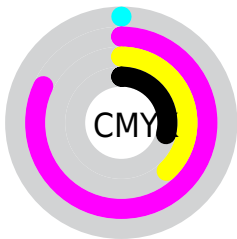
Distribution



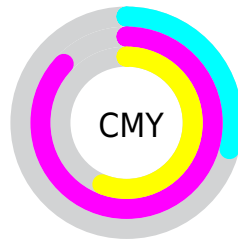
- Red (71%)
- Green (13%)
- Blue (44%)



- Red (71%)
- Yellow (13%)
- Blue (44%)



- Cyan (0%)
- Magenta (82%)
- Yellow (38%)
- Black (29%)





- Cyan (29%)
- Magenta (87%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 32, 113 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 181, 32, 113 by changing the saturation by 10% instead.

 181, 32, 113

 181, 32, 113

255, 255, 255

 152, 0, 89

 241, 95, 165

 123, 0, 65

 255, 123, 192

 94, 0, 43

 255, 152, 220

 68, 0, 23


 255, 180, 248


 38, 0, 1


 255, 209, 255

 0, 0, 0

 255, 239, 255

 181, 32, 113

 181, 32, 113

 181, 14, 105

 181, 50, 121

181, 0, 98

181, 68, 130

181, 86, 138

181, 104, 146

181, 123, 154

181, 141, 163

181, 159, 171

181, 177, 179

181, 191, 195

Harmonies

Analogous

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



145, 62, 162



181, 32, 113



185, 37, 62

Triad

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



181, 32, 113



0, 106, 24



0, 71, 179

Complementary

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



181, 32, 113



32, 134, 181

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, 64, 136



181, 32, 113



0, 94, 115

Square

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



181, 32, 113



56, 130, 0



0, 70, 119



0, 70, 201

Rectangle

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



181, 32, 113



175, 64, 28



0, 70, 119



0, 69, 167

Sweetspot

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



181, 32, 113



235, 176, 208



99, 32, 181



117, 82, 101



245, 245, 245



117, 117, 117

Same Dimension

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



181, 32, 113



235, 2, 129



181, 32, 39



89, 80, 85



153, 0, 83



26, 0, 14

Inverse Universe

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



181, 32, 113



235, 2, 129



32, 108, 181



89, 80, 85



153, 0, 83



26, 0, 14

Previews

White Background



This preview shows how the RYB color 181, 32, 113 looks on a white background.

Color Contrast Check

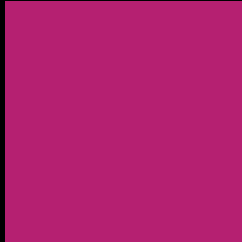
Large Text (above 18pt) WCAG AA ✓ Pass

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 181, 32, 113 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](#).

RYB 181, 32, 113 Background



This preview shows how black text looks on a background with the RYB color 181, 32, 113.



This preview shows how white text looks on a background with the RYB color 181, 32, 113.

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
181, 32, 113

Protanopia
77, 93, 155

Deuteranopia
105, 96, 106



Tritanopia
177, 52, 55

Trichromacy



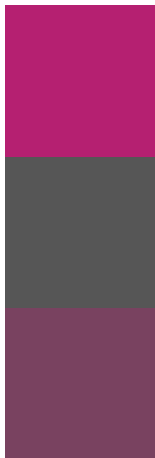
Original Color
181, 32, 113

Protanomaly
115, 73, 140

Deuteranomaly
133, 73, 109

Tritanomaly
178, 45, 76

Monochromacy



Original Color
181, 32, 113

Achromatopsia
86, 86, 86

Achromatomaly
121, 66, 96

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 32, 113 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(181, 32, 113)` looks like.

```
.text, #text, p{  
    color:rgb(181, 32, 113)  
}
```

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(181, 32, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 32, 113) }
```

Border

The CSS property to change the border of an element to RYB 181, 32, 113 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(181, 32, 113) }
```

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

```
.border{ border-color:rgb(181, 32, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 32, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 32, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 32, 113); box-shadow:4px 4px 4px 4px rgb(181, 32, 113) }
```

Background

The CSS property to change the background color of an element to RGB 181, 32, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 32, 113) }
```

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

```
.background{ background-color: rgb(181, 32,  
113) }
```

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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