Converting Colors

RYB(180, 109, 161)

Have a look what the booklet for RYB(180, 109, 161) contains.

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Color

RYB(180, 109, 161)

Conversions

Conversions Part 1

Format	Color
Hex	B46DA1
RGB	180, 109, 161
RGB Percent	71%, 43%, 63%
CMY	0.2941, 0.5725, 0.3686
CMYK	0.00, 0.39, 0.11, 0.29
HSL	316°, 32%, 57%
HSV	316°, 39%, 71%
XYZ	30.7241, 23.2138, 36.5796
YIQ	136.1570, 25.6240, 31.2240

Conversions

Conversions Part 2

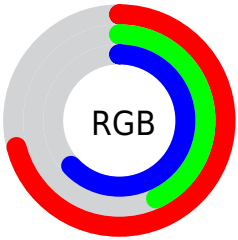
Format	Color
RYB	180, 109, 161
Decimal	11824545
CIELab	55.29, 35.86, -16.12
CIELCh	55, 39.313, 335.796
Yxy	23.2138, 0.3394, 0.2565
Android (android.graphics.Color)	4290014625 (0xFFB46DA1)
YUV	136.1570, 12.2476, 38.4503
Hunter-Lab	48.1807, 29.5104, -11.2875

Details

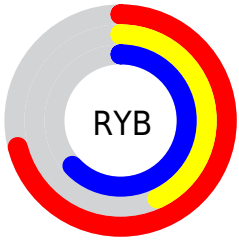
The RYB color 180, 109, 161 is a light color, and the websafe version is hex 996699. A complement of this color would be 109, 165, 180, and the grayscale version is 136, 136, 136.

A 20% lighter version of the original color is 237, 162, 216, and 126, 59, 109 is the 20% darker color. If you saturate the color by 10%, you get 180, 91, 156, and if you desaturate by 10%, it is 180, 127, 166.

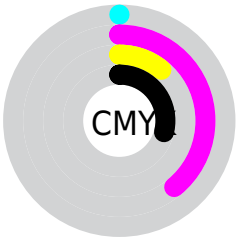
Distribution



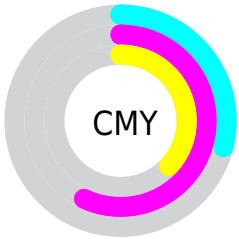
- Red (71%)
- Green (43%)
- Blue (63%)



- Red (71%)
- Yellow (43%)
- Blue (63%)



- Cyan (0%)
- Magenta (39%)
- Yellow (11%)
- Black (29%)



- Cyan (29%)
- Magenta (57%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 109, 161 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 180, 109, 161 by changing the saturation by 10% instead.

180, 109, 161	180, 109, 161
255, 255, 255	152, 84, 135
237, 162, 216	126, 59, 109
255, 189, 244	100, 34, 85
255, 218, 255	74, 7, 62
255, 246, 255	50, 0, 40
	25, 0, 18
	0, 0, 0

180, 109, 161	180, 109, 161
180, 91, 156	180, 127, 166

180, 73, 151

180, 55, 147

180, 37, 142

180, 19, 137

180, 1, 132

180, 0, 132

180, 145, 171

180, 163, 175

180, 181, 181

180, 195, 199

180, 209, 217

180, 223, 235

180, 237, 253

180, 237, 255

Harmonies

Analogous

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

144, 121, 188

180, 109, 161

196, 104, 127

Triad

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

180, 109, 161

80, 147, 63

0, 80, 171

Complementary

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

180, 109, 161

109, 165, 180

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, 78, 150

180, 109, 161

75, 142, 106

Square

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

180, 109, 161

176, 168, 70

65, 122, 148

0, 82, 194

Rectangle

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

180, 109, 161

196, 107, 105

65, 122, 148

0, 78, 161

Sweetspot

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

180, 109, 161

235, 206, 227

128, 109, 180

117, 101, 113

245, 245, 245

117, 117, 117

Same Dimension

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

180, 109, 161

235, 124, 205

180, 109, 126

89, 80, 87

153, 0, 112

26, 0, 19

Inverse Universe

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

180, 109, 161

235, 124, 205

109, 149, 180

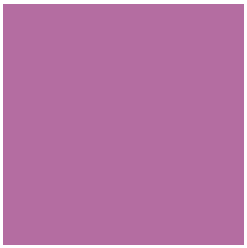
89, 80, 87

153, 0, 112

26, 0, 19

Previews

White Background

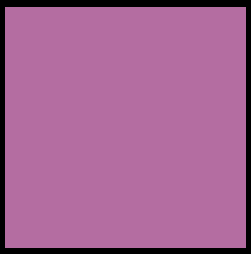


This preview shows how the RYB color 180, 109, 161 looks on a white background.

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

Black Background



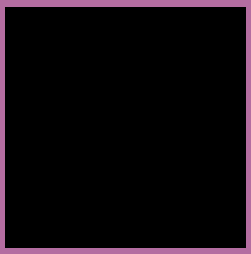
This preview shows how the RYB color 180, 109, 161 looks on a black background.

Color Contrast Check

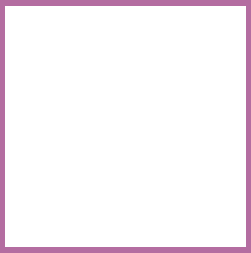
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 180, 109, 161 Background



This preview shows how black text looks on a background with the RYB color 180, 109, 161.

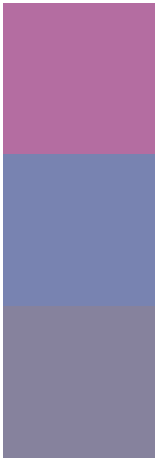


This preview shows how white text looks on a background with the RYB color 180, 109, 161.

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



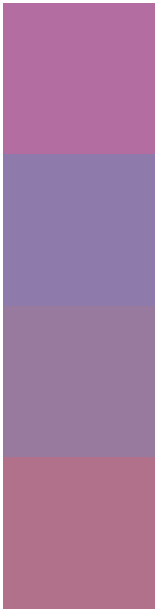
Original Color
180, 109, 161

Protanopia
120, 129, 177

Deuteranopia
134, 130, 157

Tritanopia
176, 116, 125

Trichromacy



Original Color
180, 109, 161

Protanomaly
142, 123, 171

Deuteranomaly
151, 122, 158

Tritanomaly
177, 113, 138

Monochromacy

Original Color
180, 109, 161

Achromatopsia
136, 136, 136

Achromatomaly
152, 126, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 109, 161 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(180, 109, 161) looks like.

```
.text, #text, p{
    color:rgb(180, 109, 161)
}
```

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(180, 109, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 109, 161) }
```

Border

The CSS property to change the border of an element to RYB 180, 109, 161 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(180, 109, 161) }
```

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

```
.border{ border-color:rgb(180, 109, 161) }
```

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

Here you see how a box with a 4 pixel rgb(180, 109, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 109, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 109, 161); box-shadow:4px 4px 4px 4px rgb(180, 109, 161) }
```

Background

The CSS property to change the background color of an element to RYB 180, 109, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(180, 109, 161) }
```

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

```
.background{ background-color:rgb(180,
109, 161) }
```

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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